

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7215

agcttcaacc aaaggatggt ttttctttgt cttgaaagga taaatgacaa tgcatacaag 60
 attgaattgc cgggtgagta taatgtgagt actacattta atgtgtctaa cttagctctt 120
 tttgatgcag atggagaagt caatttgagg aaaaatcctt ttgaagaggg agagagtgat 180
 gaggacatgg caaggactaa gggcaaggaa cctttagaag gacttggagg acctatgaca 240
 agggttggaa caaagaaggc caaggaagct cttcaacacg tgttaaccat gctatttgaa 300
 tttaggccca agttacaagt ggagaagttt cggattgtca attgcaccat gttccaagaa 360
 gagtagaggg tgccaccttt gttgagtgtt tttattagca ttntgttagt tgaaataaag 420
 gcccaaactt gtg 433

<210> 7216
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7216

accttgagca attcaaacga caattacggt tttaagtatg ttcgatngag tcccgtaatg 60
 tatcgaaacg ttcgaaattg aatgctgatg ctctcagcaa attcaaaaga caataacttt 120
 tatctcgggt gtgtgattga gtcccgtgat atatcgacat gctcgaaatt gaatgttgat 180
 gctctgagca aattcaaact acaataactt tttactcgga tgtctgattg attcccgtaa 240
 tatatcgaga cgctcgaaat tgaataccgg aactctaaga aaattccaac cgaccatacc 300
 ttt 303

<210> 7217
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 7217

agcttcagaa ttcaatTTTT cgcgtctcaa tatattacgg gactcaatca gacatccaag 60
 caaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatgggtctcg 120

atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
gagtaaaaag ttatcgctcg ttgaatttgg tcagagcttc aacattcagt ttagagcgtc 300
tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaaaatc 360
ctcagagctt cgggtattcaa tttcgagcgt cttgatatat tacgggactc aatcagacat 420
ccgag 425

<210> 7218

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7218

agctntgccg ccacggaatt tccgactatg ttcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcgata tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggtaacta tggctcaatt tcttaatggt ttgactaatg 300
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgaattg cttcaciaag 360
caatccaagt agagcaacaa ttaanaagga aaggagtggc taagaggagt tttaccaact 420
ttggttcttc tagttggaa 439

<210> 7219

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7219

tcacctctca atgagctggt gaagaaaatg tggcatttac ctggggtgaa aaacaagagc 60
aagcctttgc tttgctcaaa gaaaagctta ctaaggcacc tgttctagct cttcctgact 120
tttctaaaac ttttaagcta gaatgtgatg cctctggagt gggagttaga gttgtattgt 180
tacaagggtg gcacctatt gcttatttta gtgaaaaact tcatagtgcc accctcaact 240

acccacaccta tgataaagag ctntatgcct taataagagc ccctcanact tgggaacatt 300
tccttgtttg caggaatttg tcttcatagt gatcac 336

<210> 7220
<211> 458
<212> DNA
<213> Glycine max

<400> 7220

ccgggacctt aagcacctgc agctgcagct tgatgttggg taatgtctaa attatttata 60
ccaaaagcaa gaaattaggt gcatatagag atacaaacgc cttggaattg atgcatacag 120
acatttggtg gccatttcat acacctttat ggaatgggtca acaatatttt atatcattca 180
taaacgatta ctccagatat gcatacatgt ttcttataca tgaaaagtca caatctctgg 240
atgtgttcaa aacattttaat gttgaagttg aaaatcatct caacaaaaga attaagagtg 300
ttagatctga ctgtgggtgg gaatactatg gtagatatga cgggttcaggt gaacaacatt 360
cggggccttt tgctatgcac ctagaggaat gtggaatcat tccatagtac accattccag 420
ggtcacctag cgtgaatgat gtggctaaaa gatgaaat 458

<210> 7221
<211> 436
<212> DNA
<213> Glycine max

<400> 7221

tcatagttat tattataaca cagctaccca tattaaacat acttcatcta atactttttt 60
ttgggggggaa tcaatgagaa tgagaaacat ccacacaact ttgcagggac ataagcatga 120
aagcattgtg acaaaaatac tcaattagaa gagaagaaaa tgagagttaa ttgacaaagc 180
tcgctcaata ataatcaata ttcatataa gaatatctcc cagcaatgtt tcatcaaatt 240
ctgctttaca caaaaaaaaa aaaaatcacc aaactttgct tgagggttca agcaatcccc 300
taacaaattc caaacacaaa cttttgtgta tcaactctgaa aaatataaac gaatactata 360
tagatcataa cagtcatgat ctctccctag aaaaacctaa gcttggtcaa gacagttctc 420
ctttgctgga gaaaga 436

<210> 7222
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7222

tagtttggtta caactgggggt aattatcagt ttaatttggt agttatgngg accaacttat 60
 caacaaatct ccaccttggt tacataacta aacaaggatc aaagtgggtg ctcccttttt 120
 tgacatcaga ctagctgaca ttacttcaaa tttataagggt ccaggcagta gaaaaacttg 180
 atgcttggtga gaacttttagt gatcatatga gagggattat gcttagtgga gactttctag 240
 acaaacacaa ctcccttcata aataatctct ctcaaaagt gtagcttcac atctacatgt 300
 tatgtccttt cgtgataaac ttgggtcttt g 331

<210> 7223
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7223

agctnttggtc actccacctt aatcttgtct ttatgttaac caaagctagc acagctgata 60
 acatagtaaa gcttttgcac ccaacataca atggcgatg cgcattctgtt tgaagagcat 120
 cgtaaataatc tgcattgacat tcccgaaagc cctcttgccc aagatcacgt atcatgtctt 180
 ccatgagatc tccgctttgt agatcaaccg gatgaggtgg acatggttgc gtatgaccaa 240
 ccaactcacc atgccatc cacttttgtt acgtcggggt aaagccatca catatcagat 300
 gcgatctaata gtcattccaac gaatgacgcc tcccgttgac acatttaaca caagggcaga 360
 aaaagttgcc atctgtgggt gctgaatgta tnttggcana tgacaaanac tcttcaactc 420
 catgttgata agct 434

<210> 7224
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 7224

agcttatcaa catcaaactt ggagtatgag ttcttgggggt caagacatga gaagcaatca 60

agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
 gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct 180
 cttgaacgac cccgaactgg tatttcgtca tocatatttg gtaccagaat acttttagca 240
 acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300
 aaccgagctt tgacaacatc aactaattcc atgacattca caatattaag atcttttctt 360
 tgcaatatat ttgaaaagct cattgtttcc tatgacctgg atcacgcaca atctcattgg 420
 ggttaaactc 430

<210> 7225
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7225

tcgagaagaa atcacatggt tgatcatc ataaagggtt tataatgtga atgtatgtat 60
 acatgatgtt gatgatgtca aagaagaatc taacaaggct gtttcaaagc ataagcattt 120
 gtttcaagaa taattcaaga ttgcttcaac aaacaaagcc ttgtttcaag attcactaaa 180
 gaccaagcct tgccttaaaa cattgtgctt tcaagacatg caaggctctg gtaatcgatt 240
 accaggaagt gtaatcgatt accagaagac aggggttgaga aatagctggt gaaaaagggt 300
 ttgaatttga attttcaaca tgtaatcgat taccatatgt ctgtaatcga ttaccagcaa 360
 cgaaactntg gaaattcaaa ttcaaaagtc ataacccttc aaattataac tgtgtaatcg 420
 attacacaaa cattgtaat 439

<210> 7226
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7226

ggcttctaca aagtgaaggg tgtattccct ttgaaaaact ctaatccatn gggactttat 60
 ttatcatggt catcttcagc ccaatcatta tcaactgaac ctacaagctt atagttgtta 120
 cttggtgaga accataacca aagatgattg ttcctttgat atagcaaaga gatcattatg 180

cagccttgtg gtgagtaatg gttggagtct acatgtatcg actaatgagt ccagcatcat 240
 atatgatgtc tgggctcatg cacgtcaaact atcgcaaact acccaacaaa c 291

<210> 7227
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 7227

tctggtggga catcttgact tgctttccaa tctgacattt tccacaaatt ctgccttctt 60
 ctatttttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300
 agattacatt gaatccttct tcacacagct gactgatgct gatcaagt 348

<210> 7228
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7228

agctttcta at cgattacaca catactgtaa tctattacca gaggagtttt tcagaaaaca 60
 ttctcaacag tcacattttt ttatctgttt cttaaagggt catcaaaggc ttatatatat 120
 gtgacttgag acacgaatth aacaagagtt ttcaagagca aaaagggtctt atcctcttaa 180
 aaagcaaaat agtttttatcc tcttacaaat tccttggcca atacacttgt gattcaataa 240
 ggaattatth gagtgetcaa attgttcaat ctatctcttt caagagagat ttcttctctt 300
 cttgaaaagg gattaagaga ccgaggggtct cttgttgtga aagaattcta aacacaaagg 360
 aaggattgtc cttgtgtgtt tagaacttgt aaaaggaatn taanagatag tggaactctc 420
 aagc 424

<210> 7229
 <211> 342
 <212> DNA

<213> Glycine max

<400> 7229

gcctcacctc ccaatgagct agtgaaaaaa aatggggcat ttacctgggg tgaaaaacaa 60
gaacaagcct ttggtttgct caaagaaaag cttactaagg caccctgtct agctcttcct 120
gactttttcta aaacttttga gctagaatgt gatgcctctg gagtgggaag tggagctggt 180
ttgttgcaag gtgggcaccc tattgcttat tttagggaaa aacttcatgg tgccaccctt 240
aactacccca cctatgataa agagctttat gccttaataa gagcactccg aacttgggaa 300
caatacctgg gttccaagga attttcattc atagtgatca tc 342

<210> 7230

<211> 427

<212> DNA

<213> Glycine max

<400> 7230

tcccctactc ccaaaacata gaaaaacaac cgaagaatct gtctgctcat ccagccattt 60
taatatacta tcatgttggg cttgatccaa attttggtta ggttgaccct tcagattaat 120
caatggacca acagcataga taggggggtgt ttgaatttga ccatcacata atgcatcaat 180
agcatactgc tccaactctg aaaaagagtt aacaatgatc cctttggagt ccttgaacct 240
ctgagcaagt ttataataag tggcatatcc accttggttg ttaaaaaaag catcatgcaa 300
aacactagaa ggaactggat cagggagacc cggttccaac cactgaggat cagaatcatt 360
gaatgcatca ccaactttac gtttctgaat ggaaaacatg atattcacia acccatcatt 420
tgaaggc 427

<210> 7231

<211> 519

<212> DNA

<213> Glycine max

<400> 7231

ttaagaatta tgggctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccactac tggaacacct gcatgcaaat ctttatagag 120
gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctatagt 180

gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
 gtacaatata atttaaaggc caaaaatatt atttacatct gctctaggaa tagatgaata 300
 ctttatgggtt tcaaattgta aaagtgctaa agatatgtgg gatacactac aagtaataca 360
 tgaaggcaca acagatgtta aaagatctat gataaatata tttacccatg aatattaact 420
 gttaggatg aatgtaaag aaagttttca agacatgcaa aaaaggttca cacacatagt 480
 taatcatctt gcacatctag gaaaaacttt ttcaaata 519

<210> 7232
 <211> 587
 <212> DNA
 <213> Glycine max

<400> 7232

ttagctttgt ccccaaggct tcatgtagac ttgtccatta tctctaagtg aacctcggat 60
 ccctgtcggg tacaatactg gaaggaattc catgcaacct taccacttcc ttgatgtaca 120
 actctactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg 180
 tgagtcgatc tactatgacc cacacagcat catgtccacg actagtcttg ggtaaactag 240
 atacaaaatc catagatatg ctctcccatt tccattccgg aatttccaat ggcttcaatt 300
 ctctgatgg tcaactggtgc tcagccttag ctttttggca tgtcaaacac cttgctacat 360
 attcagctac atctttcttc atgccctgcc accaaaaact tatcttcaaa tcttgggtaca 420
 tcttagtcat tcttgatgg aaactaacac gacttttatg cgcttcttcc aagatcttaa 480
 ctttcaaatc atctcaagat ggcacacata ttctcccttg tgaactaat taaccgggtt 540
 gtgtcctttt caaacctac atccttaatc cccatttaca tccatta 587

<210> 7233
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 7233

ttgaaactaa gcttcagac tagtgctacc aacctagata gaatccctct gttgtttcat 60
 gtaaactct tcttttagat caccattcat gaacgccatt ttcacatcca tttgatgcaa 120
 ctcaagatca aaatgagcta ctaatgcaa aattactcga agagagtctt tcttagatac 180

aggggaaaag gtctctctgt aatcgattcc ttctctttga gtgaatcctt tagcaacaag 240
tcttgcccta tgtctctcaa tgttgccttc taagtctttc tttgtttcga agacccatct 300
gcatccgatg gctttttacac caacagacaa ctcaacgaga tcccaaactt ggtagatgc 360
catagaatcc atctcatccc tcatagcatt gtaccacaaa tttgattgct tagaactcat 420
ggcttgtgaa aacgtgtcaa gatcatt 447

<210> 7234
<211> 219
<212> DNA
<213> Glycine max

<400> 7234

gctttaactt tgtttaagaa aaagattgta ttttttgtat aaaacctacg gaaggttctc 60
ttttgaccac ttttccagct attggcaata tcgggtgcat taaaaaattc ccatcagttc 120
atgggtatgt agagaaaaga ggcttcaatg cctttgatgt acgcattaca aatgcattac 180
ttgatttggga tgcccagtggt ggatgcatag ctagtgtga 219

<210> 7235
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7235

ggagaaagag acaccttttg gttgcaaaca atgtattttt ttaagtgtga cacctaaatt 60
ccaagcatgc aaaggttcaa catagaaata acaaaactaa gataaataaa taaagggggg 120
gaagagttga atttaatgaa tggattacaa ttaccaatgg tgggggaaag atcttcaaca 180
gaacttga aaagctgac aagtaggcta ctttttccca ccccggaatc tccaatcaac 240
aagatcttga aagagagatc atagccactg ctctgacctg aggatgaact cattctctct 300
tcctctgatg aatgtcttan gtgtgtgtgt caaaaagtac agtgaaagaa acgtatgcaa 360
gggtgagaga gagaaagaag cttatgggtgt tgggctaggg aaggctaaac tgtaaagaag 420
tgcaatgggtg caagcccttt cttttatttg gg 452

<210> 7236
<211> 455

<212> DNA
<213> Glycine max

<400> 7236

ttaatgtaaa ccttactctc agattcaatg cactttatct tctaacaacg cttcaatctc 60
ctcttacctt ttgcctttgg tgtctgataa aaataaattt tagaaaagtg tggcacacac 120
catcacccca ccaagcacia acaacatgcc tccaaatggt attgcctcta aaacactaag 180
gaatgtcatg gacacaatcc cacttatcaa acgggtcaca aaaatggcca agttggaacc 240
ttgggccatt agccttagag ggaaaatctt agaagagtag acccaagttg tcagcccacg 300
cccaatacaa aagcatgata ctgcaacata gacagcaacc acccaciaag caatgaccca 360
ttgatccttg ttatcaccac ataacttaag caaggtacat tccaagccca tcacaaacaa 420
tgagattgcc atgctacatg agcctaacia caaca 455

<210> 7237
<211> 454
<212> DNA
<213> Glycine max

<400> 7237

tagctgtagc ctccagttgc atgacttggt aagcatcttg aatgatcccc acttcctaata 60
gttttgtttt tttctctctc atattcttat catatgtggt agatttcata ttaaaaccaa 120
ttaacattaa gtgaagttgt ccaacagatc tataagttgc actctaagac agccgatgtc 180
ggacttcaa tgcacccctc tcacgcccac cacttattaa gcttgggtgcg tgaacaacaa 240
atggtgggtg ctcatcggag gcgagagcga tgtcgcaggt caaagcatgc tttgatatca 300
tgtagattt catcttaaaa tcaattgaca ttaagtgaag ttgtcaaata tatgtatata 360
agcgggtactc caaaacaaat aatatgagac ttggatattt ttcaataata tggaaacaat 420
ttgtgatacc cgggcatcat aaattgatgg tttt 454

<210> 7238
<211> 535
<212> DNA
<213> Glycine max

<400> 7238

cttcttggct gttgccttga aggacaagaa gaattacttt tttttttata cgtgggctaata 60

ggcagcctta actccttcat atttggtatg caataaatga agaatgctta aattagggttc 120
 acttgtgttc tttcttttct ttgagttata cttagcagct tattaatctt gaatatctaa 180
 tattgaacaa tacttttttaa ctcccttcaga tcaaataaaa agtaaattat tggattggcc 240
 acgacgcttc aacataatac ttggaattgc aaggggacta ttgtatcttc atcaagattc 300
 tcgattaagg attattcata gagatctcaa agcaagtaat gttctactag atgaaaagtt 360
 aaatccaaaa atatcagatt ttggaatggc aagagctttt ggaggagacc aaaccgaggg 420
 aaacacaaat agagtatttg ggacttactg agtgtctgtc taattataat atacaccaca 480
 tttactattt atctattcat ttatatgttg gttaatgtga attgattgct ctaat 535

<210> 7239
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 7239

aacaagacaa caaaggaaga aagaagggttg tcttctaacc cggagattgg gtttgggtgc 60
 acatgagaaa agaaagggtt ccggaacaaa ggaaatcaaa gcttcaacaa aggggagatg 120
 gaccatttca agtggttgaa agaatcaatg acaatgctta caaagttgag cttcccggtg 180
 agtataatgt tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag 240
 aattcgattt gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga 300
 gcaagggcaa ggatccactt gaaggacttg gagggcctaa gacaagggtc tgagcaagga 360
 aagccaatga agc 373

<210> 7240
 <211> 541
 <212> DNA
 <213> Glycine max

<400> 7240

gggaattttt ttatatggta tctttataat ttctctatt catgaaacat tgtcatgtgt 60
 gtgtagggca catactgaat ccagcaagac atttgaggtc ttgaaatctc ggtatatcac 120
 ttttgtttca gcactgtgaa gaaatgcaag ccctttggca ggcctagag caactttcaa 180
 acgtagaccc caagaaagag gttgaaagta tgaccctcct gttacagcaa ttaatcatgt 240

aaatgttatg cacacacttc tcaagttcaa caatgtgaaa agatgggaga tgaaaaactc 300
 actcatgaac aagtgattct ccaagctacc acgaggcata aattcataga ccagaagtcg 360
 gtcttttatct tcaaagcaat acccaattaa ttctactaga tgaggatgag aaagctggcc 420
 taaatagttc acttcagcct aaaatagaaa agaaattaaa acaatgtaag gcaaaccat 480
 ataatggtag cacttaaact cttctctggt tccaaatatt cataacatta ttaattatga 540
 a 541

<210> 7241
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7241

ttttttactc tctcgagctc taactctgag tggaacgcgc actgtggagg ttccctatcc 60
 ctcgaaccta ggttcaccat cactgagttt cccttttcag cttgtctacg atcccactct 120
 aatgcagcct tctgcttgga cctaagcaaa cagaaatttt gcaacttttc tggcattgat 180
 catgcacctt ccaccatctt gcgtgagcca cattacttgc aaactcctgc agatgtcacg 240
 ttccagttgc agtcgtagtc tcggagcaaa gccatggctt attaccagat aatggatgac 300
 ataaggattg gggatcactc aaagaacgag ttttattgct ttctctcttc tcatcacttc 360
 ccaaaggctt aagaaaacat gtggt 385

<210> 7242
 <211> 497
 <212> DNA
 <213> Glycine max

<400> 7242

agcttgcctt gccctttgat aatatttgat gtgattcatg gccactatga atgacaaatt 60
 ccttgggata aaggtagtgc tgccatgttt tcaaagcccg tactgagaca tacaactcct 120
 tatcataagt tgaatagtta agggtaggac cacttaaatt ttcactaaaa taagcaattg 180
 gatgaccttc ttgcaacaac acagcccca tcccaacatt tgaagcatca cactcaattt 240
 caaaagattt ttgaaagttt ggcaatgcaa gtatgggggc attagttagc ttttgcttaa 300
 gaacattgaa atcttcttct tgtttctctc ccatttgaa accaacattt ttcttgagca 360

cttcattgag aggtgctgcc aatgtgctaa aatccttcac aaatcgtcta taaaaacttg 420
 taagccatga aaactcctca ccttagtcat agacttaggt gtaggccatt cttgaatagc 480
 cctaacccttt tctcat 497

<210> 7243
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 7243

tacggacctt aatctaactg tgaacaaagc cgcttggttt taaggtggat tttgaaaagg 60
 cctatgactc aatcttatgg gcatttttgg attatatgct gcaaagaatg ggtttttgtc 120
 ccaaatggag aactggatt tctgcctgtc ttaattcagc aagcatttca attcttgtga 180
 atggcagtc tacaaggaa tttactccta ctagaggctt gaggcaaggg gaccctttag 240
 ctcccttact ctttaataata gttggagaag gcatcacagg attgatgagg gaagcagttc 300
 ataagaactt atatagaagc tatatggctg gaaagaaaaa ggaaccatt aatattttgc 360
 agtatgcaga tgacacagta tttgtgggag aggctgcttg ggagaatgtt gttgttttga 420
 atgctatgct cacgggatct gaattggcct caggtctgaa gattaattat gcaaaaatcc 480
 aatttggga 489

<210> 7244
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 7244

cattaaataa cttggtatta tatttatgaa tatgtatggc aaaattcaca taaataagat 60
 attcgctgat ggattattta ctaatagaca ttaacctata ttttattata gatataact 120
 aagatttaat cattttatatt attagtacaa tgcggcaact aattactaaa atgtttgtgt 180
 aaaaatatta tatattaaca catgaattta aattaaataa attttattat gtcgtttttt 240
 ttaaagatcg gcggtatta ttattgttat taaaaaatat tgggcaacaa caatacatta 300
 aattgttaaa gtgacgagac gacctgatta ggaactcctc aatccacact ctcatgga 358

<210> 7245
 <211> 599
 <212> DNA
 <213> Glycine max

<400> 7245

cgaaggcgaa ctggatgcat tggtaaactt ggtaacccat tatgctttta atcaaaaatc 60
 tgtacctgtc gcaaggggtt gtggtttgtg ctctctgtct gaccaccata cagacctttg 120
 ccctttcatg cagccacctg gagcaattga gcagcttgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
 caacaacaga tacaacctg gatggaggaa tcaccctaac ctcatatggc gcagccctca 300
 gcaacaacaa cagcagcctg gtcctttctt ccaaaatgct gctggcccaa gcagaccata 360
 cattttctca ccaatccaac aacagcaaca accccagaaa caaccaacag tttaggcccc 420
 ttcacaacct ttctctgag aacttgtgag gcaaatgact attcagaaca tgcacgttta 480
 gcaagagacc agagccttca ttcagagctt aaccaaatta atgggacaat aggctacca 540
 attgtatcaa caacagtccc agaattctga caagctgcct tcttaagcta ttccaaaat 599

<210> 7246
 <211> 543
 <212> DNA
 <213> Glycine max

<400> 7246

agcttggtaa atttcgggtt accaattatt ctttatgaaa actcatttat tgaccattat 60
 aaatatagta caagggtatc tagcaataac ttcaaaagct ccattttaa acatttatgg 120
 acaacaaaac acaaaacgaa caagctgtaa cacaatcata attgctatct gttaatcaca 180
 cttaaacaaa agaatagcta ggcaaaacta aatcaccaac aatcacggac aactaacacc 240
 taccatttgg taaacaataa ataattctgc atttttatcc aataaataaa cacttaaaat 300
 tttttcctga atttgaataa ataaattcac taaggtaatg ttgtcatatt tatatcgggc 360
 atcgactcga ttaagatact aagttactaa atcatgcac aaccaatga atcactaatt 420
 gactcccatg attcaacctt tattaataaa ttctaaataa tttcataacc tgcaaacatg 480
 tatacttaaa gtttatcaaa attcatgaca agttttgaat tgtttaaaat tttgacaaca 540
 tat 543

<210> 7247
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 7247

tgcatgtag ctctttttta tttatttgca tgtagctttt cttatcctcc ctccgatatt 60
 atttagaaga cccaaatttg aaatgatatt ttttttttta taagaatcaa tttataatat 120
 ttcttatatt aattattttt agactagaaa tgtctctaata taaaattgaa agaattgatt 180
 gacaaacaat taaaagttaa aagagtatta atgacaagaa tagttttgga aaaattataa 240
 atttaagata aatttattgt tatgaactaa aataatcatt tttcttaatt gtgataaatt 300
 aggtacttgg gtcttatata taagatcaga tggattattt gaaaaatatt gttgattctc 360
 tcatgatatc aaaggtaagg tgggattttt atcattttgt taccatctc ttctgaataa 420
 ctagcataat gg 432

<210> 7248
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7248

tgctacgacc ctaaattgggc cttcctagtt gggccaagc tttcccttag ggatcttttc 60
 tggcttcacc tcagactcgc gacactaggt tgccagattg aaaggctcca agttgaacct 120
 ttgtattgta tctccttgat gctcggagct tggtttcctc ttctttgatt ttggaaatct 180
 cttggacgtc atccttggtc tctagttcca cctcatggt ctctttgttg tgttgttctt 240
 ggaacaacaa cctccttgtc gacagttccc caactttgat ggggattatg gcatctctgt 300
 tgtatgtgag tcaaaaagta gtttcgttgg ttgttgtctg ggggtgaacag tgataggcca 360
 agagtatact atggagtccc tccttccata gacccttga ctttgtgagt cttntgcgca 420
 cggcggttaat gataacccta ttatctgcct tcgcctgacc aataattttg gggg 474

<210> 7249
 <211> 521
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7249

aagataatcc tcaggcttgg ccaatgcaga ctgtttattg gaaacggatt ggactctatc 60
at ttattatc agagcctgtg acatggataa caaaggagag aaatttttca caatctatag 120
attcctcaga ccaaaataaa aaatacaatt atgacgttga gtactcagtt taagaggata 180
tatctttcag agaggaaggg agggaaagag aaatacaggg ccaagtttca tttttgaaac 240
aatagttggt gtcattgtaat ataactactt tattagaagt gcataacaca gcatactcac 300
atggcccttg tattttgtgag ctggaggaa atcaagcaag ggctgcaagg aatctttgtt 360
gcgaaacatt attgatgaaa ggtggcgatt aagaaattgg acaccattgc caatggatgc 420
tgagcgggtt gggcgaggaa acgtggcatt aaatggctca aaatcaagct ccaatacaaa 480
attctcatta attcttaagc acaatacana acagaaacag a 521

<210> 7250

<211> 525

<212> DNA

<213> Glycine max

<400> 7250

gctttgagaa aacttccttg agaagctaga gcttatcttc tctcaccctt ctcataacta 60
ggctcacctc cttgagaagc ttccttagga agattcctaa agaagggttga gcttagctac 120
agatacatct ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
cacccttat aatagctaag ctcaccccca tgacaaaaaa catgaaaata caaaaaaaat 240
tccttactac aaagactact caaaataccc cgaaatacaa ggctaaaacc ctatactact 300
agaatggcca aaatacaagg ccagacgaa ggaaatacct attataatat ttacaaagat 360
aagcgggctc atacttagcc catgggctcg aaatctaccc taaggctcat gagaacccta 420
gggccttccc ttgatctct agcccaatct acttggagtc ttctacccaa tgcccttgcg 480
gggtaggatt gcatcaagtg ccttcttgga tttcaagatt tgaat 525

<210> 7251

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7251

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agcttgtggt gcaaaagatt acatctattc ttaagaatth ttgatggggc agcctccaag   60
actccattaa gattccttgg gtgagggtgg acatagtctg cctacctaaa agtaaagggtg  120
ggttatggat caaagatthg attaaattca acgaggctth gcttgctaaa tgggggtggg   180
agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatgggtggtt  240
ggagggattt gatttctcat aggaactgca gtttagactc tccttgggtg aaagacctca   300
agggtatctt caagcagcag caaaagcaac acaatttgta aaaatagctt tatttatgcc   360
ataggtaagg acggtccatg gaatacanac caagtactta ttggttgacc acaacaaaa   420
cactcattgg aatatatatg tttacaatt aacataaact cgctgacagg aatggagaaa   480
tatacatatt aaatttttc                                           499
```

<210> 7252
<211> 400
<212> DNA
<213> Glycine max
<400> 7252

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agcttataat attgcagcaa tatttatattc catcagcccg agaactatca cgcttagttg   60
gagtctgcaa agccccaatc attcaacact ttgctgaaac aatttctggt acttcaacta  120
ttagaagctt tgatcagcag tcaagatttc aggaacaaaa tatgaaactg actgatggat  180
attctcggcc aaagatcaat attgctgggt ccatggaatg gttgtgtttc cgcttggata  240
tgttgtcttc tatcacattt gccttttctt taatattctt aatatctatt ccacagggat  300
tcatagatcc acgtgagtta ttcctatctg ttacaaatca aaatttaatc tgctattcta  360
atatggaatt gaacataatt gtttctcttt tataactttt                                           400
```

<210> 7253
<211> 595
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7253

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ntaatgtggt ctcccttata gaactactaa ctgtagtaac atttgcagcc cagctatccg   60
```

gtagtgatga caatagaatc aatgccttca cctcatcctc aaattttaatc tgcactgact 120
ccaattgggc aagaatagta ttaaattcat taatatgatt agttacagag ataccttctc 180
ccatcttgag gttgaacaat cgacacatca agtataccat gttggctgca gacgacttct 240
cgtacatagc tgataatgcc ttcattaagt ctgcagtagt cttctcattt accgtattga 300
atgtgatatt cttggctaata gtcaatctga tcacgcccaag agcctgtcaa tctagcaagt 360
tccattttta ttgccttatg ttgtctggct tatccctga cgagagagaa taatgagaag 420
agaaaaggaat aatgagaaga gagagaagac acaaagtttt tacatgggtc aacacacaat 480
gtatgaccta cgtccatggc taccttagaa aaatttcttg ttgttgca ttttaaagct 540
tacaagtgtt ctattattat acactaatga gacacaagtt tacaaccaa gcgat 595

<210> 7254
<211> 460
<212> DNA
<213> Glycine max

<400> 7254

ttagataccc tgagactagg ctcaggccct ttgatttact ctatattaca ggtgagcgag 60
cctattagca gtgaccctt tgttctaata attattattt gtgttggtgc tcatgaagca 120
ctatctagta tgaattttta ttggttgcaa taggatttca atgtaaaggt gaattttttg 180
gagaataatt ttcttttgat cttacttcgt ctgctgaatt cctaaggata attgttggtc 240
tgggtttcta tataagccta aggaatcaat cctgggaaac cctatgatcc ggattcccat 300
cggatctagg gtgaaccaat ttggcggtcc tgctttgcac atgataaaga atgttggtc 360
gatagttacg ttcattggtg agataatgga tcacaacaca aattgcattt ctcatagaat 420
acatgcatac agtttttggt acatgttcaa atattatttg 460

<210> 7255
<211> 463
<212> DNA
<213> Glycine max

<400> 7255

tggaactaag cttattttct ctaccacttg tcattctttt actgatgggc aaacaaaggt 60
agtgaatagg tctttatcta cgtttttaag ggctcttctg aagggcagcc ataagtcttg 120

ggatgagtat cttcctcatg tagaattagc ctacaacagg ggggttcata gaaccgccaa 180
gcaatcccct tctgaagttg tctatgggtt caatccccta acacccttag acctcattcc 240
cctcccactt gacacttctt ttatacataa agaaggggaa tataggtcag agtttgtaaa 300
gaagttgttt gagaggggtt agcgctaata agagaaccaa acaaagggtg attaaactaa 360
acgcaattaa ggaagaaatg agctatttct taatgaacgg gactgggttt ggctcatctt 420
acagaggata gattccatac taaaaggaaa tccaagctaa ccc 463

<210> 7256
<211> 401
<212> DNA
<213> Glycine max

<400> 7256

cagctttgga gtttccaagt gccattctt tttcttcttt agaccaatct tcttctggct 60
tcaattcatc agagggcttt ccttctgtgt ccagcatctt gggatgttcc caacctttga 120
agacagcttt ccaggttctg ctatccagtg atttgaggaa agccaccatc cttgctttcc 180
agtattcata gttggttcca tctaagattg ggggtctggt cactggctct cttctttctt 240
ccatgttcat aagaatttat ctccctagat ctactcagt gatttcgagt gcccgctctg 300
ataccaattg aaattctgat actggggaca gatgtcgac aagattgtac gacatcacgc 360
tgcagattgt gtttgactgt gtgaacacat taaaccagct c 401

<210> 7257
<211> 508
<212> DNA
<213> Glycine max

<400> 7257

agcttctcta gaagcacttt tacgaaatgt atttgtgaag aaaaaataaa ataaattttt 60
ttataagttg aaattaattc tccattaatt aatttgtaga aattttcaca taatttcttt 120
gaaagatgaa aggatatattg taaattagtt aatggtgagc taattttatc ttatgaagaa 180
atacatttca tttttattta tttatttctc tcctaaaaat actttcttaa gaaatttatc 240
caaacaggtg tttatcagat taaattttga aagccctaaa cttttttggt cttgaactca 300
ttattctagt tcaaaggagg tcctttaaaa tttccttaaa tgtaatgagt cctatacaac 360

tatgacatgg ggccataaag tatctcccca aaatcttagt tattaataga ttcaagatca 420
attatgcgtg tacgggttttt gccaccaat ttgatgtagt ctatcacttg gcaccgatgt 480
tttattttttt aattttgttt tcagtggc 508

<210> 7258
<211> 393
<212> DNA
<213> Glycine max

<400> 7258

gcctttactc tgatttgctc tgacaggatt tttcttctta aaaaaaagg gaagagatta 60
aagctcgcac tttatattgt cttcgatcga ttcccttttc tcttttgatg aatattatgt 120
ctcaaattccc aatgggtgaag tagtgtgaaa ttaaatttct aaccaagggg ctaaatttca 180
tgatgatcca acggttatta agtccgagat catagcttta taggacaggc tttgaatctc 240
tatgggaaaa gaaaaagtta caatgcgaaa gttttttatc tctaacttg tttcacaatt 300
tacaacagcg agaatgctaa aaatgcgtct caaacctagt gttaaaatat cacgatgatc 360
aaaccgttaa caagtctgag attggctcgtt tac 393

<210> 7259
<211> 538
<212> DNA
<213> Glycine max

<400> 7259

ttagtttcaa cacaagcagg ttgcccaagt atacaaatgt ttatgtatgg ctctctttat 60
tttaataaaa tctttgtagt tttcttaatt ttaataacaa atttttcaaa agctcccatc 120
aggaactgtc cctccaagaa gttgacgcac tattgatgat gaatgtttac tataggcaga 180
ttagaaattc aaatattcaa attcaacttt taaacaatgt gtatgaacac caaaagcagt 240
aaaagggtta aacacataca gaatttttta gctgtgcacc agacccaaag cttaaactctc 300
ctgctggaat tggcaaaaacc ttgaattca caatagggtc tgatatatga tcagtccgga 360
tctcaagggc cgactccgga agaagagcat tgaacatggc aacatctagt ctagctatgc 420
attgttccat gacctggtaa aggaatttaa tctactttaa tctgaccaa agaaaggga 480
gttatttaca cttgcagaat ggaacgatat cattaataat aaaaaaggcc cccatttt 538

<210> 7260
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7260

tctggttagga catcttgact tgctttccaa tctgacattt accacagatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360
 cctttcccag cagtactttg ttcagactat gaagtccatc atggactagc ttttccattc 420
 cagtgatcat ttcttttagag ccatctccaa atgtcacata cctagtgg 468

<210> 7261
 <211> 575
 <212> DNA
 <213> Glycine max

<400> 7261

tcaagctgct caattgctcc aggttgctgc atggaagggc atatgtctgt atgggtggtca 60
 gcagaggagc acaaaccaca aacccttgcg acaggtaaca atttctgatt caaggctaac 120
 tggggttacca agttgaccaa cgcattccagt ttgccttcaa gcttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttcaggcg 240
 ctaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300
 atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
 ccttcataaa aatattggag aagaagctgt tctgaaatct gatgggtgggg gcaactggca 420
 catagtttct taaatctctc ctagtactca tacaggctct ctccactgag ttgtctaata 480
 cctgagatat ccttctgat ggctgtggtc cttgaaagcc aggaaatctt tttctaagaa 540
 tactctctta aagtcattccc acctcgtgat ggacc 575

<210> 7262
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 7262

ttgcttctca agactcttgc acaggagtag atttctatat tatggcaagc tgagttacta 60
 ggttgaccaa ggcatacaagt tttccctcaa gcttttttatt ttcagcagat gaagatgaat 120
 ccgtggccac ctcatggact cctctaagga ctgttgcac aagtggcctc agaataatta 180
 agaagggggg gttgaattaa tcattcctaa acctttacta attaaaaaat tactcttcta 240
 aggctttttac tatgttggtta agtaaataaa gagtagaaaa gaaacttaac caaaactaaa 300
 agcaggaatt aaaatgcaca gcgaaaatta aaagtgtagg gaagaaggag acaaacacac 360
 aagagttttt gtactggctc gacaacaacc catccctaca tccagtcctc aagcgaccta 420
 tggtccttga gatttctttt ccaaccttgt aaaaatcctt ttacaaacaa aag 473

<210> 7263
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 7263

aaaataacgc gattccctt ttgtaaacac aaaaaggcca tagtctagaa ttaacaaaga 60
 aacagaaaaa ttcacaaatg atattcaaaa tcaaaacatg cgggtactgtt ttagcaatcc 120
 aatgtggttag tgaaaagaca gataaagcat aaaagaagta aatcgaacaa gacagtaa 180
 accaccacag tgaagctgct ttgagttaat gaagtctagg cacttcgtaa tcttgctagt 240
 ttcgaacttc acaaaatgaa gccttcacc aagaatagga tagcttctcc tgttaccatg 300
 gggcggaat cccagtcgat tattcacatt tatcatcctt tta 343

<210> 7264
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 7264

agcttaacac attgtttgct tctgtctatt attgatggta gccctaggta cttgcgtctt 60
 cccaattgat tagtgacccc caaagatgag atgttttgct tgagagcttg agaggtgttg 120

gtgctataga atatTTTTga tatacaaagg ttaatcgttt gccctaatgc tttctcataa 180
 gtgttaaaaa tatctctcaa ataatcatca acaataaaaa ggtgtgagag gcttggaatc 240
 cctctataca ccttgacacc atgaatctat cctcactttt ttgctctcct taagcgtgtg 300
 gaaagcctct ctttacaat aatgaacaaa tatagtata cttggtgacc ttatctaaga 360
 cctctcccat gaaaaatatt tctcatagga ttcccattta ttatgataga atagtgaact 420

<210> 7265
 <211> 502
 <212> DNA
 <213> Glycine max

<400> 7265

tgccttgaat tatattaata gttgaattac ttagaaattt tctttgcttt attataattt 60
 tagtattttt ttaatttatt ggtctaatag ttttaaagta attacttaga aattattatt 120
 tattatttat catcttttca ttttcataaa atattgaaac tttttctata cctatgtaaa 180
 tataatttaa ttatatattg atatctatat gtaaatttac cagtataaaa attatgtata 240
 aataaaaactc aagagataaa catcttttta tgaaatcaaa tcagattttt tttatccgta 300
 atcaaatagg aaaatttaac ttttaacttaa gagaatgaat attttctaca aaatttttat 360
 atttaaactt atttgtcaat tatattaatg aaaataaatt cttatatata ataattaatt 420
 atactacccg tgcattgaca atttgttgct catataattg aaagttattt gcatagaaaa 480
 tgctaattct tatagttaat at 502

<210> 7266
 <211> 594
 <212> DNA
 <213> Glycine max

<400> 7266

agcttctcat caagtaacat tcttgagatc ctctccccag gccttcttga cttcccttcc 60
 cttgctctta gccctgtcac acaatttaat gatgacccat ttgacaagtc ctctccttca 120
 ttggggaact catcagagga ggataaaccc atagctgaaa gggcttctac ttgcatccct 180
 ctcccatctt taatccaaga gactcagaac catagctctt gcctcttttc ccagttactc 240
 acctagagtc tcatcggaat caccttcttg aggacattgg agaatagatt gtgttctctga 300

gttatggatg atttaaatag agagagaatg gttgggtgggtt aattacatca tgggtatctt 360
 ttttatttga atgggttcacg gtttcctcca tcaacaagaa ctattgtagt ggtactactg 420
 gtgggtgacag tggaacaaga agcagtagtg ggggaattaag gctttgtgaa agacaggtag 480
 ccttttcattt tctttattat ggatttttgt ttgggagagt aaagtgcata accttctttt 540
 ggtacttgat ttgaagaata attgatactg tctaatacta aagaacacat tttc 594

<210> 7267
 <211> 134
 <212> DNA
 <213> Glycine max

<400> 7267

ctgtgcagca actttttacga tggaccttct ctagctcagc agcagtatca cctcgggcta 60
 aagattgtga cctcttcagc tacagataca accctggatg gaggaataac cctatcctta 120
 tatggttcaa acct 134

<210> 7268
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7268

tgccacttcg tcctcttttg tatatcacc cacttgaggg ttccattcat cactggactt 60
 tccttgtgtg tccatcctct tgggatgttc ccaacctttg atgaacagga cctcagggtc 120
 tgctatccag cgattcgacg aaggccacca ttcttgcttc tcagatttca tagccgcttc 180
 catcaaaaag aggtgggtctg ttactggac cttcttcatt ctccatgctc atcacaattt 240
 atctccccag atctcactct gcgatttcga gtgttggttc tgataccaat tgaaattctg 300
 agtcggggga cagatgtctg acacgatgtc acgacatgac gcttcataac atgcacatag 360
 tgtgtggccg tatgaacata ttaaa 385

<210> 7269
 <211> 616
 <212> DNA
 <213> Glycine max

<400> 7269

tgtaactaga tgctattgtc ctacaacaga tgttgcgctc tagggcattg aaagccggac 60
 tgcagcaatc ccaaataaag attttttggtc tacctgtccg accttccttt gttaagcctg 120
 tccggccaaa ggtatgcaat attccttatag ccatgaatta ttcgcaaatt tatttacaat 180
 tcttgggaata caacatgctg tgctatatat attattccca aataaatgta agtggattgt 240
 ttgaaatggt gtaataggat aataggaatg atccagcctc aattaggaga agtaatttat 300
 ttacgtttc tcaagttatt tttagagaaa ttatagccac ttgcatgttc catgccaata 360
 gtgctcactt gagctaatag taatgggtgc ctgtaaacaa ttatttcttc ccttgtcagc 420
 atatgaataa gtgaatgatg gcgtttaagc cataatcaaa tacgaaatag caaataagtt 480
 aatgctaaaa ttaatagctt tgggtgttgt ccgtgttccg attctatgac tgcaagctgt 540
 agtgcaggat tggaaccttt tggtcgcgta tgtcattaca gttcctcaaa gctttaaact 600
 acctgatgca tattca 616

<210> 7270
 <211> 613
 <212> DNA
 <213> Glycine max
 <400> 7270

agcttaaaaca aacacgctaa gatctctttt aatattttat atatatatgt aactaaacaa 60
 atgatcaatc ttaatcaaca catttttttt ggaaactctt actcaacata tttaaagaat 120
 ttaacttcaa atttatcatt taaggatgta tacttaatta gcacgttcaa gagttgaaga 180
 tttagataaaa tttgctcaa atattaattt aacttaaaaa tgacaaaagg aaggtcaaatt 240
 gtcttgctta ggttaagttt ctttgaaaag ttctaccatt agagaaaata gtattttcta 300
 gtgtagtgtc tctctagtgt agtggttttac tttctactat ttaatgttat aatttattat 360
 attatcaagt atgtgaatta attgggtgtga aattatttta atttaattag aagtctcaga 420
 tttgagtgat tgcttttggt ggagaatatc tatgggtttaa gccaaaaaaa taatattata 480
 ttttattata ctaaatacta ctaataagaa tgatgtagtg gcataggaaa aaaagaatga 540
 gagagaatgt ggggttcaaaa ttctccacta acaaaaatta ataatactaa ttattaatat 600
 ttatcgataa aaa 613

<210> 7271
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7271

atccaacgct catgttggtg gtgaagcaac ttcattccatg gctgattccc tagtgcattgg 60
 tgcctgcctct tacgcatggt cgattgtctg ccaactgcac tccatagtgg ataattgacga 120
 ttactggacc gcattgactc tcacctatac ggcccttcata cactctccac tgacaatcat 180
 acatcaggcg atgcgtcgga tctctggccc aatgtactta ggagtctaaa agcaaactgc 240
 tagattggcc taagcgtttc aacattatct gcggaattgc tcgaggtctt ctttatcttc 300
 atcaagattc tagattgagg ataattcata gagacctcaa agcaagtaat gttttgctcg 360
 atgaccagat gatccctaaa atatcaaagt tttgcattgc tagattattt ggaggagagc 420
 cgacagaagg aaatacaaat cgagttgttg gaacttanta agtattatct taatatcaat 480
 ct 482

<210> 7272
 <211> 593
 <212> DNA
 <213> Glycine max

<400> 7272

agcttaaaca aacacgctga gaacgctttt ttatatttat atataaaggc aactaaacaa 60
 atgatcaatc ttaatcaaca catttttttt ggaaactctt actcaacata tttaaagaat 120
 ttaacttcca atttatcatt taaggatgta tacttaatta gcacgttcaa gagttgaaaa 180
 tttagataaaa tctgcctcaa atattaattt aacttaaaaa tgacaaaagg aaggtcaaat 240
 gtcttgctta agctaagttt ctttgacaac ttctaccctt aaagaagata ataatttcta 300
 ttgtaatgtc tatccattgg acagcttact ttctactcat taatgctata attaattata 360
 ttatcaagaa tgtgaattta ttgggtgtgaa attattttta ttttaattac aagtctcata 420
 cttgagtgat tgctttttgt ggagaatatt tatggttcaa gccaaaaaat taaatttata 480
 attcattatc ctacatacta ctaatacaat tgatgcattg ctctatgaaa aataaaatga 540
 taaaaatgtg ggtttcaatt cttcccctaa caaaaataat cataactaac tat 593

<210> 7273
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 7273

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ttatgaacat atcagcagga ttgtgtagag tgctaatttt atgaactttg attcttcttt 60
ctaaccgaat gaagtgatat ctaacatcta tatgcttggt tctatcatga tgaacttgat 120
ccttggccaa gcatatagca ctaaagctgt cacagtagat gttagcatat tcttgattaa 180
ttccgagatc atttatcaga cctctaagcc aaattccttc ctttgcagct ttagtaagag 240
ccatatattt agcctcagta gttgagagag caaccgaagg ttgaagtgtt accttacaac 300
tcaccaagcc gccaccaaag gtgtaagcat accctgttat gaccttctct tgaccagatc 360
agcagcgaaa tctgcatcag aatagccagt gaggcagcaa tctgggtg 408
  
```

<210> 7274
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 7274

```

cagaacttgc ttaggaactt agcatcttta tctagaccac tggtcctaag caaaccatgg 60
agtcacacag cttccctcca ataaagattt gagatatggg aaacgtcctc caccttgtgg 120
catggcctaa agtgtgccat cttgctaaac ctatccacca ctacaaagat agagactaca 180
cctctatggg ttctagggag cccaatgaca aagtcatac tgatgtctac ccaaagtga 240
aatggaatgg gtcaagagtg tgatagccca tgaggcatca ccctaaactc aggctgttaa 300
ctagccacac acctactgcc atgcttatag acatttttct tcatatgggg gc 352
  
```

<210> 7275
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 7275

```

agctctgatc gagtgctata aagcaaaatt tgtgaaccat tgggtgcttca tcccaaataa 60
ttagacttgg ctgatttaac aattctgcta atagactccc ttgatgtatg ttgcatgttg 120
  
```

agttttcaaaa acttggtaca ggaatcttaa atttggaatg tgcagtccta cctcttggca 180
acaatagaga agctatgccg ctagaagcaa ccacagtaac aatttgattc tttgctctca 240
atgaactcgt caatgttctc catatgaatg tttttcctgt tccttcaaat ccatatagga 300
aaaacatgcc gccctcgatg ttgttgacag cttgcataat tcgggtgtga attgatcttt 360
gtccatctac aattatggat cagttaacgt tatatacaaa tgaacaataa ttaatttt 418

<210> 7276
<211> 538
<212> DNA
<213> Glycine max
<400> 7276

atgagtggag ggaaaaaatg actggaggga gaaggagccc aaaagaggtc tgaactttga 60
agtgtaattc tcaaagatc aaagttagaa aaatgccac acatggtctc tatttatagc 120
ctaagtgcc caaaaaatt ggaggaaaat ttgaatttct attcaaattt cacttgaatt 180
tgaaattgaa tttgtggagc caaattttgg aacaaaaatt tcactaatta tgattagtga 240
attttagcta tggttcaacc ccctaatacca agatcaaacc ccaaattctc cactaagtgt 300
gcttacgtgt catgagacat tgtaagcatg aaagacattc ccaaagtgtt actatatgat 360
gtgaccattg ggggtgtagc tgcaaatgct cacctcccc tctataattc aattggattg 420
gacttctccc aattcaattt aattttattc ccaccacca cattcaatat tcacttaacg 480
cctaataaaa ttttaagccta ccataatac aaaaactagt cttagggcc taaaatac 538

<210> 7277
<211> 629
<212> DNA
<213> Glycine max
<400> 7277

agcttgtaat tgattaaacc gatacgagac acttttttgc aagattaaac caacttgtgt 60
aatcaattaa tgtaagggtg tgatcgatta aaatagaaag ttttaccttc taaagaaaat 120
tttgtaactt tagaaatttt ctacttactc ctacatgatg atgcatgatg catatatgaa 180
atgatagaga ctaagatgca acacacaata caacaatcaa taaaaatgcc actaaagagt 240
gttgggatgt gaaagaaaaa acttcttcaa gctcttcttt aagcttcaag gttaagtctt 300

catgttgctc ccctatctct aacacaaata acaaccatca tattaagatt aaaaataata 360
gatgattgag attcacatat ttaaatttca aattaaaatt gaatatatca tcaaattcttt 420
gaaagattaa ccagaaaaca aaccaatcta ttaagatctt agttatcaca ttctaagata 480
tctgaattaa ccatcaccct gattataaca ccttgagata ttataagtta taaatcgaca 540
tttaatttta ttattgtgtt ggttgactat atgatagact tgaatgagtc gaattatgtg 600
gagtcttttt tagctaagtt gaaattatg 629

<210> 7278
<211> 428
<212> DNA
<213> Glycine max

<400> 7278

ttggcttgca agctgggttg tttggatgca aatcctatgc aaacacaccc taaattgagt 60
aagtgtttta attagcattg agtctctggt aaggggtcaaa gggtaagatt ggagctttgt 120
cctcattcca gacctcatca atgtattgca ctataattgc agattcacia atgggcttgc 180
cattatggat cagaactgga attttcttga gaattgagtt catttgcgaa gcacaggact 240
cttgttccta agaattctct ccttgacacc ctgttcagct aatgcaatcc taacctcat 300
tccaaacatg ctageccatg tatcctacag aacaacctcg tctgccatcg ttgcaaagga 360
tcacaaaaac accaactcat gttatgaact tgccaaacag tgtagatatg ttgtggacta 420
acacgaca 428

<210> 7279
<211> 588
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7279

agctttttaga ctcaggcgtg aaccctacct caccaatatt gagagacaat ttttacaatt 60
aaattaagaa gtaccattca tataatatct cacattaagt acaataatgc aaaaagaaga 120
aattgaaaat gggaacaaag ccaagatgaa cctgtatcga aaagagcaac aattatgtca 180
ctatttgatt tcaatcttct cttagcaatt gtaggtaacc caatgaagtt ccatgatctt 240
gttgtgtgca gctggcagta ctggttttga aacaccaaga gcacttcac ccatggatata 300

catgcaaaaaa ggggtaataa cataatatat agtattttcaa agaaagatga aagagctaga 360
gaaaattgaa aactatctat accagataac tnttttgctt catcctctaa cagttttgca 420
gcaaatgcat ttaaggtatt tgtgtaacta tataccatga attcttttgc ttcaaggaag 480
ctaagtaagc acaaaccana atccaaatga ttttaagccaa aaggataaaa atagagaatt 540
caaaaaaatg cttctcacat ggtttaagag ggtgggttta ctttttta 588

<210> 7280
<211> 548
<212> DNA
<213> Glycine max

<400> 7280

agctttttaga ctcaggcgtg aaccctactt taccaatatt gagagacaat ctttacaatt 60
aaattaagaa gtaccattca tataatatct cacattaagt acaataatgc aaaaagaaga 120
aattgaaaat gggaacaaag ccaagatgaa cctgtatcga aaagaacaac aattatgtca 180
ctatttgatt tcaatcttct cttaacaatt gtaggtaacc caatgaagtt ccatgatctt 240
gttgtgtgca gctggcagta ctggttttga aacaccaaga gcacttcac catggataca 300
catgcaaaaaa ggggtaataa cataatatat agtattttcaa agaaagatga aagagctaga 360
gaaaattgaa aactatctat accagataaa ctttttggtt taatctctaa cagttttgca 420
gcaaatgcat ttaaagtatt tgtgtaacta tataccatgg aatctttttg cttcaggaag 480
ctaagtaagc acaaaccaaa atccaatgat ttagcccaag ggataaaatg gagaattcaa 540
aaaatgct 548

<210> 7281
<211> 527
<212> DNA
<213> Glycine max

<400> 7281

tggcgataaa ctttgttgtg agagctaaaa gtaacagtga caaatacttg taacttttgt 60
gaaattagtg aaacttgatt gctaacaaa aactgaactt agtctgaatg gtagagacaa 120
accaatataa atatgggtct tactttcttt ttagttatct tttgtcttaa actgacatag 180
tatttgaatt tgatcttggt tgaaaaacat attctatttt ttaaaatag tttccatcgt 240

ctaaacttgt ttttgcgcaa atttggtatc tcgttttatt aagttatact tcaaatgata 300
 actttaattt tcacgaaaaa agacttaaga aaattctaaa attacaattt aacccttat 360
 gatatttcta attgtagtta ctttttttaa gactttactt ttgatcactt aataacattg 420
 aaattcatag tctattaaat ttattattaa ataacctaatt tattgcacag agtttttgtg 480
 gagacgactc tatttatcgc tattgctacc tgaaggattt aatactc 527

<210> 7282
 <211> 490
 <212> DNA
 <213> Glycine max

<400> 7282

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaattg 60
 actatggcat catttctagc actaaactgc tgggagttgg aggccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aagtattgga gaagaagctg ttctgaaatc 240
 tgatgggtggg ggcaactggc acatagtttc ttaaactctt ccagttactc atacaggctc 300
 tctccactga gttgtctaatt acctgagata tccttcctta tggctgtggt cctggaagca 360
 gggaaatttt tttctaagaa tactctctta aggtcatccc agctcgtgat ggaccctgga 420
 gcaaggtaat acagccagtc ctttgccact ccttctaatt agtgaggaaa agccttcaga 480
 aatatgtgat 490

<210> 7283
 <211> 502
 <212> DNA
 <213> Glycine max

<400> 7283

agcttcacga gttgtcttct ccagataatc tctagcaatg tgcattttct catcagtaat 60
 atacctagca atagcaacat cctccattct atccaacagg ggattaggta tcatttccac 120
 aaaatttgta gtgcaaacaa aaagaacctg caccgagaaa aacaatacgt tcaagaatta 180
 cttgaccatc ctaagaacta cctatcaaca atgaacacaa ctaataacca aacaaaaatg 240
 ttgactatat cacaacctca ctattaaggc tccaaattat caaataaata cctttgatag 300

atcaatggtg acatcaagat agtgggtccag aaaaatagca ttctaattctg gatccagaag 360
ctctaacaaa gcacttgctg gatcactaac atgtgctctg cccaactaca attgaataaa 420
aagataatag cgctaaaatc ataatttttt ccttgatatt tacaagatta taacccatgg 480
gtaaattaat gaaactgaaa tg 502

<210> 7284
<211> 486
<212> DNA
<213> Glycine max
<400> 7284

agcaggcatc catgtcgctg cgttgatgag cgagtgtttt ctaacttgaa ttcaatgaaa 60
caaaatcctg atagctgccg atgaatactc tgcatagctg atattaaacc ttgtgggaca 120
cttgatatttc cctttacacc agagaatttt cctattgact gctatatgat acctatagaa 180
ctaactctg ttgtcattta aatgacagat taccgggtca ttacaaatat gtcgactgtc 240
aatgatcaat atctaacagt aatgagaatt caatttctgc agaggaagag gataacatca 300
tagtttcagc ccatgcaatc catggaaaca aatgggcaat aattgctaag cttcttccag 360
gtagaacaca ctatgcaatc aagaatcact ggaattctac actgacgcgc aagcgtatgg 420
aaaagggaaa atatgtccca gcacatgctg atgtgatcga aaaagggtact ggtaactttt 480
aaaaaa 486

<210> 7285
<211> 385
<212> DNA
<213> Glycine max
<400> 7285

agcttggcaa actattgttg acacagaagg gatattttct ctagatagaa gcataatatc 60
atctgcaaaa gccaaatgag atagctgaat acctgcacag ttgggatgaa atttaaaatt 120
ggcatcatcc ttgaggctgc tcatatctct ggaaaagtac tccaaacaga gcataaacag 180
ataaggggag agaggatccc cttgtctaag acccgcgtac cttttgaagt gaccataaat 240
ggatctattg actgccacac taaaagaagt ggaagaaaca cattccatga tccaagttca 300
gaactggggtt aggaaagcca tggacttaag cattcaatcc aagaattccc ggaaatggaa 360

tcattagctt tatgcaagtc aattt

385

<210> 7286

<211> 480

<212> DNA

<213> Glycine max

<400> 7286

agcttctgag ttaaaagtta ttgcagtttt tatttgctac aagcttccgc tttcaactac 60

gagcgtctcg atatattact ggactcaatc gatcatcaga gcaaaaagtt attgtcgtta 120

gaatttggtc agtgcttccg ttttcaattt ggagcgtctc gatatattac gggactcaat 180

cggacatccg agtaaaaagt tattggtgtt agattttgct catagcttct atttgaattt 240

gctacgagct tgcgttttca atttggagcg tctcaatata ttacgggact caatcggaca 300

tccgagtaaa aagttattgt cggttgaatt cgctcagagc ttctattctc aattttgagt 360

gtctcgatat attacaggac tcaatcggac atcggagtaa aaagttattg tcgttagatt 420

ttttcagagc tcccgtttca atttggatcg attcgatata ttacgggact caatctgaca 480

<210> 7287

<211> 501

<212> DNA

<213> Glycine max

<400> 7287

agctttgatg caacatttgg agagggttaat gaaacaacta gatgatgcgc tccatgagag 60

gttggatcaa atggtgaata gagatcataa tgaataagaa aggacgagaa aagggaatga 120

tggtgttcct atacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

ctacaactat gaggaggacc agaagggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacataagga gagagcaaga aatgaatagc caatggttga 360

tacatggaca gagatgaaga agatcatgac gaatcggat gtgccggcta gttactcaaa 420

ggacttgaaa ttcaagctcc aaaaactaac ccacagcaac aatgggggttg aggagtattt 480

caaggaaatg attgtctcat g 501

<210> 7288
 <211> 519
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7288

tgtaatagaa gaaggaagtc cctggaaaat tcacatggtc ataatttttt gctcggatgt 60
 ccaattgagg ccataatat atcgagatgc aggaaattaa gaattgcagc cccaagaatt 120
 tagacggcca taacttttga ctcatgatgc caattgaagc acataatata tcgagacact 180
 cgaaagtcaa caagaaagcc cggggcaatt ccaaacaacc acaacatttt atttagaagt 240
 ccgattggac ccataatata tcaagacact aagaaatgaa caaaagcctc ctggaaaatt 300
 caaacgggca taacttttaa ctcaaatttc cgattgaggc ccataatata ttgagacact 360
 caaaatttaa caaggaagca tttggaaaat tcaaacggc cataaatttt tactcagatg 420
 tccgattgaa gcccataata tatcgagatg ctcaaatttg aaaatgaaag tgatgcaatc 480
 ctacctcctt agggcattgg atacaagact ctatgaaga 519

<210> 7289
 <211> 525
 <212> DNA
 <213> Glycine max

<400> 7289

tcaagaatca agatcaagat tcaagactca agattcaata atcaagataa gtatgaaaag 60
 gttttttcaa aaactgagta gcacatggat tttttctcaa acatgtttac caaagagttt 120
 ttactctttg gtaatcgatt accagatggg tgtaatcgat taccaatagc aaaatggatt 180
 tgaaaaagtt ttcaaatgaa ttacaacgt tccaattgat ttcaaaaagc tgtaatcgat 240
 tacaatattt tggatgatga ttaccagtgc ctttgaacgt tgaaattcaa attcaaaagt 300
 gaagagtcac atcctttcac ataaaagctt tgtgtaatcg attacactga tttggcaatc 360
 gattaccagt gattgtttct gaataaatca aacgatgtaa cttttcaaatt ggtttttgac 420
 tttttcgaat aggatctaag ttttataaaa gttataactc ttctacatgg tgctcttgac 480
 cagacatgaa gagtctatac aagcaacgct ttgtttgcat ttcta 525

<210> 7290

<211> 525
 <212> DNA
 <213> Glycine max

<400> 7290

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agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg gttgaattaa catattcgaa actttttccc ctaattaaaa 120
atctatctta ctttttactt aaattatgaa ttcccttaat gacaatcttc ttaaataatta 180
attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300
tccccaagca acccgcttga gagttccact aacttgtaaa ttccctttac aagttctaaa 360
cacacaagga caaccctttc tttgtgttta gagattcttt acaacaagag actcacagtc 420
tcttaatccc ttagagaatg agatgaagaa gaggaacaca tctctcttga gagagatgga 480
tgttacagat tgagcactca attaatcct taatgaattg caatt 525
```

<210> 7291
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7291

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agctntattg gtacaatttc tttaaatctg gtattataaa caatttttat aattgggtga 60
aatctttttc cgtcaacgaa tttaggagta acctgggcca caagctttat ttgtacaatt 120
tctttaaatc gtttttcata aacaattttt agaattgggt aaaatctttt tttcaattcc 180
aaatatttga ttttatactc ttatttttat tccatagctt tattgtcact ataattctga 240
aatatgttat tttttatcat taaatatggt atattgaatc taattaagtg atctaactct 300
ggtttttagta ttttaaccagc aaaattgcat gtttaacta taccgtaa atgttagatc 360
atctgacatt cacatatcaa tcaacatgat atctatgcaa gtatgtaact ggtcacacgt 420
gacaagtgtt gcatgcat 438
```

<210> 7292
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 7292

ccgaacacct tgtttttctc atgtgcacgc aaacccaatc ttcgggttcg aagacaacct 60
tctttctccc ttgatggcc tgtctagcat agctgttatt tctcctcatc aaaagacttt 120
tgactctctc atgaagcgac ttcacatagt cgggcttggc attaccttct ttgtgcttaa 180
aaacagacac attatgcata tgcaaagat caagacgagt tagtgggtta aaaccataaa 240
caacttcaaa aggagaacaa ttagtgggtgc tatgagcaac tctatcggta gcacactcaa 300
catgggggaa acaagctttc catgttttta agttctttct caaaactgtc ct 352

<210> 7293

<211> 422

<212> DNA

<213> Glycine max

<400> 7293

tccatcactt gataggtag atccttcacg ttcttcgaat ggacataggt atatcttgg 60
tgctgctgag tatttcacca agtgggtgga agaaattcct ttgaatgttg atcaagggga 120
tataataaac ttcatagaac aaaatattat ttttcgattt agtatcccat aaacacttat 180
aacagggtcaa ggcaccattt ttattgatcg aaaagtgggt caatatgtca attctcaaaa 240
tattaagtta gtaacttata ccccttatta tgctcaagca aatgggtcaag ttgaagccat 300
aaacaagatt ttggttaagg taattaagaa acatggccaa aaacctagaa gttagcatga 360
aagtttagac caaattcttt aggttatca aaattcacca aaagggggcc cactattgta 420
ct 422

<210> 7294

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7294

anggacctt atacatagac cctttcctca natgatattg ttttattatc atgtncaccg 60
accaattgac gctcaciaac gtgcacactt ggcttatgtc atgggcaaag aaccttggt 120
attttattat tacacaaaaa ctactgaaat acctcctggc ccatgcagct gttaagtga 180

caatatacaa atatttatat tatgataact cctaatatat ttataatgag aaactatattt 240
 aaacatatat ttacatatat ctcttgtgct catatatgtg tgtatgtatg gatatgcttg 300
 caacgataac attaaaacta acaataaagt aaattaaaaa catacagatt tataacatat 360
 ttttatatta aaacacatac 380

<210> 7295
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 7295

gactgctcta gcacagctca tgacatgaaa tacagtcgcg tctgaccttc cttatcgagg 60
 agcagaacgg tggatttggc tctctcccat atgagctcat cgtcagtggag taccgaagta 120
 tcacttgtgt tttctttcat acgattgacg atcttattgg catttagaga gatgctcatg 180
 ctcatgacat ggcaactaac gctcaagacc taaataaaaa atataccatt tactgtacat 240
 aatcatttgt attgcgcaat ttgttgtgta aacc 274

<210> 7296
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7296

tagaaactta agccttatag aaggttcggt cctaatttct ctacaattgc atctcttctc 60
 aatgatctgg tgaagaagaa tgtggcattt acctgnggtg aaaaacaaga gcaagccttt 120
 gctttgctca aagaaaagct tactaaggca cctgttctag ctcttcctga cttttctaaa 180
 acttttgagc tagaatgtga tgcctctgga gtgcgagttg gagctgtatt gttacaaggt 240
 gggcacccta ttgcttattt tagtgaaaaa cttcatagtg ccaccctcaa ctaccccacc 300
 tatgataaag agctttatgc cttaataaga gccctccaaa cttaggaaca ttaccttggt 360
 tccaaggaat ttttcattca tagtgatcat caatcactta agtacattag agggcaaagc 420
 aagttaaaca aaaggcatgc aaaatgggta gag 453

<210> 7297
 <211> 441

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7297

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 ggggtggtatt ggctgcaacc caaaggagct cagcgtcagt gagttaggaa gtctcacttg 180
 tgttttcttc caaaagattg atgatcttat tggcatttag agagatgttc atgcccctga 240
 catgggaact aatgcacaag ttctaattta attatattcc atttccttac ataatttttt 300
 gtttggggca atttccttatg taaaccaaca tctagaactt ttatttatta ttctatcatt 360
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 ntatagntta tattatcaat a 441

<210> 7298
 <211> 445
 <212> DNA
 <213> Glycine max
 <400> 7298

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 gggttatggcg gcgagctcac gaacgtaggt cgaagtgtgg agcaatttcg ggcaaaaagc 180
 tttattgaaa aaggcaatgg ggtgattctg ttgagaaaga atagcccca ttcctattcc 240
 caatgcgtcc atttccacca cgaatggcag ggaaaagtcc ggcaaccgca agactacggc 300
 gctacagatg acttccttga gcttgacaaa agctgctagg gctttcggcg accagcataa 360
 cttgtctctg gccaggagct gagttagagg tgctgcaatt gaagcatacc ccttaatgaa 420
 tcttcgatag aaacctaata aaccg 445

<210> 7299
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7299

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ttccatatga ttattcattc catatggcta aggaggttga atgtgcgtgt gaaataagtc 180
atcaactcta ttatgttctc tctctattca tacttttgct aatggtttta aagtttaatt 240
gtttgacctt caatattttg atacttaaaa gataatagat tcgagtataa ttttatctta 300
tatgactaat aattnttaat caagagtcac ctcttttgct acttaataata aatataacaa 360
taagagagat gactctacga aatatgaata tttttttggt tgaagtgtcg ttgcgtcaaa 420
catattttta naatcaacac attgagacac ttg 453

<210> 7300
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7300

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ccattgacca ttccattagc aactacggtc caagtatcag tttcaggtga ataggcttca 180
cacatggaat taccactccc aattgcattt cccttgaaaa accatgttcc attgtgaaca 240
acaccaaata aaggcaccat ggatgtgctc atctctgata ttaaattcca cctgttttgg 300
ctgggggtcat aaacttcagc agatcgagtc atttgaattc cttcaagttc cccaccagac 360
acataaagac aattatttat cacacaagaa cgaaacagat tacgtttctg cagcatatcg 420
ggtgccctat g 431

<210> 7301
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7301

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acgatcacgg accaatagga ttttctcgag ggtagtgggt ttttggagag gaagttgggt 180
gtttatgtct tttcctcttt gttcaggtgg ggtgggatat cgccagtcga gaacgacctt 240
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accttgccga aaatttatct ggcttgaaga atttctgtcc tctttctttc attgatcgag 360
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ttcttttggt tntttctt 438

<210> 7302
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7302

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tatttcataa taagggttaa gaaaggttaag aaaatgttat ccaagtggct tcaataaatt 180
taagagggga gtaaattgat tttataaata ttttctttgt taatataatc taattcattt 240
ttctatgata aatataataa tatattaaaa ctttgattaa aaagagaaaa atatgcaatt 300
aagatctcta ccaatataaa tgaatatagt aaatttacia aaaaaagtaa agagataatg 360
taagagagaa ttggaaattc gatttatact gatctgggta tgtctatgca ggttcagtcc 420
ccaagcaatc cgcttaagag nttcattat 449

<210> 7303
<211> 341
<212> DNA
<213> Glycine max
<400> 7303

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ttatatggac gtctgtggag tatgtaaaca gcagtgtaga ctgcttcac ccaaaatgtg 180
ctatgtagtc cctctttctt gagcatcgat ctagccatct ccatagctgt gcgattcttt 240

ctttcagaca ctacattatg ttgaggagaa tatgcgactg gtaggagtct ctcagtgcct 300
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<210> 7304
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7304

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 ctgggtcggt cctcgggtct caaggcacag ctacgcacg tgcttcgggt cgtggtggga 180
 aatggcaacg agttagcttg tcatcaactt tgctcgggtg tcatgattag cattcagggc 240
 caaacgttct cgggtgacct tcatgtcctt cccctttgcg gagggtgactt ggttctcggt 300
 gttcagtggtc tgaaatccct tggccctggt cttaccgact ataaggatct tacattgaaa 360
 atcattcatg atgganaaat aatagaatta anaggggaata tggacgatgc tcttcacccc 420
 gtcactccaa c 431

<210> 7305
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7305

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 ccgattctct acttggcttg ccaacatcat cataatcaaa aaggccaacg ccaaattggca 180
 aatattcatc gactacactg atttgaatag ggcattccct anagacgcat accctttgcc 240
 caacattcat agactagtcg atgggacatc cgagttccag gtgcttagct tcctagatgc 300
 ttactatgga tacaaccaat tcaaaatgca tcctctagac aaggagaaaa tgacattcat 360
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 agagt 425

<210> 7306
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 7306

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 gtctcatttt gtgcttagga cagcgaaatc tccttttgca actccttata gccttcttca 180
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 tagagggatt tcttatcaga acctaagctc taataccact ttgttgg 347

<210> 7307
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7307

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 atataataaa cttcatagaa caaaatatta tttttcgatt tagtatccca taaacactta 180
 taacagggtca aggcaccatt tttattgatc gaaaagtggg tcaatatgtc aattctcaaa 240
 atattaagtt agtaacttat accccttatt atgctcaagc aaatgggtcaa gttgaagcca 300
 taaacaagat tttggtaagg ttaattaaga aacatggcca anaacctaga agttagcatg 360
 aaagttttaga ccaaattctt tangcttacc aaaattca 398

<210> 7308
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 7308

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ctcctacata ataatgaaaa ttaatcttac taaatagaaa taataagcaa taagcaataa 180
aggagtttaa gggaagagaa aatgcagact cagatttata cgggttcggc cacacccttg 240
tgcctacgtc cagtcccaaa gcaaccgct tgagagtttc actatcttgt aaaatccatt 300
gacaagttct gaaccacaca aggacaac 328

<210> 7309
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7309

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cataaaatga ctttttcccc aattaagcac caagtttgcc tctttacacc gctgcaacac 180
tcgctctaga tttgctagac aataatcaaa agatgagctg aagatggaga agtcatccat 240
aaacacttcg atacatttct ccaccatgtc agcaaagatt gccatcatac atctctgaaa 300
agttgcagga gcattgcaaa gaccaaatgg catttgcccta taggaaaaca caccacaagg 360
gcaggtaaat gttgtcttnc ttggtcattt ggatccacaa caatctgatt gtagccaaag 420
tatacatcta agaagcaata gaatg 445

<210> 7310
<211> 445
<212> DNA
<213> Glycine max
<400> 7310

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gatggtacag cgggtgaacc agaagctgaa gtttcttttg gtgaggtagc catggaaaag 120
cagagcgttt gaaatgattt cgtaaatctc agaaaactat tgggaaatgc tggtgaaaac 180
acgaatgtca cgaaaatata aatttgaata aggaatgtag agggccgtgt gaagcaacgg 240
tcgaatttgc cttgggtcag tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300
cgttcagata tcagtagttg ctacaattcc tctagcagac aaatgcccag cttgcccctc 360

agtttttcaa actgatttgc atccaaagcc tttgtgaaaa tatctgctat ttgttccctca 420
gtgtcaacat gcttcagtgt gatca 445

<210> 7311
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7311

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gctgcccgaag tttcatgggc ttgcacgtga agatcctcat aagcatctta aggagttcca 120
tattgtttgt tccaccatga agccccctga tgcctaagca gatcatatct ttcttaaggc 180
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gaccactgcc atccgaaaag acatttcagg catcaggcaa cttaatggag agagcttgta 360
tgagtatttg gaaagattca agaaaatgtg tg 392

<210> 7312
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7312

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aagtgcacaa cggaaaaata aagagggttag ggaagaagaa agcaaacaca agatttatac 180
tagttcggcc acaaccctgt cctacgtcca gtccccaagc aaccaccggt tcttgagatt 240
tccaataacc ttgtaaaatc ctttacaagc aaagatccac aagggatgta ccctcccttg 300
ctctctttga acaaccaagt ggatgtacgc tccacttgaa ctgatccaca agagatgtat 360
cctctcttgt tcttagtatt acaaccaag tagatgtacg ctctacttgt accacaaatg 420
atatnatgct caatat 436

<210> 7313

<211> 283
 <212> DNA
 <213> Glycine max

<400> 7313

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 cccttccatg cagcaacctg aagcaattga gcaacctgaa gcttatgctg cacatattta 180
 caatagacct cctcaacctc agcagcgaaa tcaaccacaa cagaacaatt atgacctttc 240
 cagcaataga tacaaccgct gatagaggaa tcaccctaac etc 283

<210> 7314
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7314

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 attgtctgct ccaccatgaa acctccagat gtccaagaag atcacatctt tctgaaggcc 180
 tttctcatt ctttagaggg agtggcaaag gactggctat attaccttgc tccaagggtcc 240
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 ccatggccat cagaaaggat atttcaggca ttaggcaact cagtggagag agcctaaatg 360
 aatactgnga gagatttcaa aaactatgcg ccagttgccc tcaccaccag atgtctgagc 420
 aacttcttct ccaatatttt tatgaag 447

<210> 7315
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7315

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tatagacgta gatcaatata tagagtgtgg ttacattaat tagggatcaa ataatggtat 180
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agcaatacat tgatgcctct catctcanat gacaaagaga ttcaatacaa caaagcaacy 360
attgtttctg aaggtagaaa ataacttact ataatgtttt ggattgccgt ttcatttgaa 420
ttgatgtact aaaaaacaac attc 444

<210> 7316
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7316

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tggagaatcc gatttgagga caaatccttc tcaagagggg gagaatgatg aggacatgtt 180
caagagcaag ggcaaggatc cacttgaagg acttggagga cctatgacaa gggctagagc 240
atggaaaagcc aaggaagctc ttcaacaagt gctgtccata ctatttgaat acaagcccaa 300
gtttcaagga gaaaagtcca aggttgtgag ttgtatcatg gcccanatgg aggaggacta 360
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ttgtaaagt 429

<210> 7317
<211> 444
<212> DNA
<213> Glycine max
<400> 7317

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aagaacacca caacaaaatg ggattgtggg gaggaaaaaa aagtccttg aggaacttgt 180
tagtgtttag ctctactgag ctttaaaaga ttggctaaga ttttgtaaa acataagcac 240
ttagacaatg aaggaaagct ggagttgctg cacatgatgt ccaacgctat gtcaaggaat 300

Author	Year	Country	Sample Size	Study Design	Findings
Wang et al.	2005	China	1,000	Case-control	Increased risk of lung cancer with high alcohol intake.
Li et al.	2006	China	1,200	Cohort	No significant association between alcohol and lung cancer.
Chen et al.	2007	China	1,500	Case-control	Dose-response relationship between alcohol and lung cancer.
Wang et al.	2008	China	1,800	Cohort	Alcohol consumption associated with increased lung cancer risk.
Li et al.	2009	China	2,000	Case-control	Heavy alcohol use linked to higher lung cancer incidence.
Chen et al.	2010	China	2,200	Cohort	Alcohol intake significantly correlated with lung cancer.
Wang et al.	2011	China	2,500	Case-control	High alcohol consumption increases lung cancer risk.
Li et al.	2012	China	2,800	Cohort	Alcohol consumption associated with lung cancer mortality.
Chen et al.	2013	China	3,000	Case-control	Alcohol intake a significant risk factor for lung cancer.
Wang et al.	2014	China	3,200	Cohort	Alcohol consumption linked to lung cancer progression.
Li et al.	2015	China	3,500	Case-control	Heavy alcohol use associated with poor lung cancer prognosis.
Chen et al.	2016	China	3,800	Cohort	Alcohol consumption associated with lung cancer survival.
Wang et al.	2017	China	4,000	Case-control	Alcohol intake significantly associated with lung cancer.
Li et al.	2018	China	4,200	Cohort	Alcohol consumption linked to lung cancer incidence.
Chen et al.	2019	China	4,500	Case-control	Alcohol intake associated with lung cancer risk.
Wang et al.	2020	China	4,800	Cohort	Alcohol consumption associated with lung cancer mortality.
Li et al.	2021	China	5,000	Case-control	Alcohol intake significantly associated with lung cancer.
Chen et al.	2022	China	5,200	Cohort	Alcohol consumption linked to lung cancer incidence.
Wang et al.	2023	China	5,500	Case-control	Alcohol intake associated with lung cancer risk.
Li et al.	2024	China	5,800	Cohort	Alcohol consumption linked to lung cancer mortality.
Chen et al.	2025	China	6,000	Case-control	Alcohol intake significantly associated with lung cancer.

<400> 7318

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<210>      7319
<211>      313
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      7319
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<211>	359
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 7320

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catggaaaaa atacttcgaa ctttaaatcc aagttttgac ttcattgtta ccaacattga 240
agaaaacaag gatttaaaga ctatgactat tgagcaactc atgggttcct tacaagcgta 300
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<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7321

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attgcattct gtgtctatcc attcaaatcc tcctctttga tcgatgttta aaacttattt 240
tgcttacatg atttttcatt tatgttctta gatacattcg gaggggcaag ccggatgccg 300
ggttttctct tttccagtct gaatgtttga aatgggtctgg atatgtagag tttgataatc 360
taaaaaaaaaa tgtcctaact tacttagcag aaaataagta ccttcctcng tctcttatct 420
ttctattcca cctctactgt taatct 446

<210> 7322
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7322

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acaacggaag ctctgagaaa attctaattg tcataacttt taactcggat gtccgattca 180

ggcgcataac atatagaggc gctcgaaaag gaacaacgga agctctcgag aaattcaa 240
 ggtcataact ntccacactg aggtccgatt caggaatata atatatcaag acgctcgaaa 300
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<210> 7323
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7323

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 ttgagaccat tatgacatcc gcaagagcat ccgctgttca atattgagcg tatcgatatt 180
 agatttggct gatattgtaca taccgagaa aggctaggac catataatac tggatagagc 240
 tcacgcctgt atatagctag cctctggaat aatcatgcgc aacaatgaag aatacttcta 300
 actagtgtatg accattggaa ct 322

<210> 7324
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 7324

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 atcggagcga aatgttatga ccattcgaat ttgtcgagag cttccgtttt tcaatttcga 180
 gcgtctagat gagttatgtc accgaatcag acatctgagt gaaatgttat gaccattcga 240
 atttgcgag agcttccgtt gttcaatttc gagcgtctag atgagttatg tcaccgaatc 300
 ggacatccgt gtaaaaagtt atgaccattc ggctttgtcg agagcttccg ttgttcaatt 360
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 tggact 426

<210> 7325
 <211> 456
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7325

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 aactatacta tctacacaaa aggtacactt ctctatatatt gcatagaggg tgtttttaat 180
 aaggactgaa agaacttgcc taagatgtcc taagtgtatc tctaggctct tactgtacac 240
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 cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatta ctagccattc 360
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<210> 7326
 <211> 294
 <212> DNA
 <213> Glycine max

 <400> 7326

tgagtccttt catatatcga gacgctcgaa atggaatacc gaagctctga gcaaattcaa 60
 acgacaataa ctttttactc ggatgtctga ttgagtcctc taatatatcg agacgctcga 120
 aattgaatac cgaagctctg agccaatgca aacgacaatt aatttttact cggatgtctg 180
 attgagtcct gcaatatatc gagacgctcg aaattgaatt ccgcagctct gagcaaattc 240
 aaacgagaat cacattttac tcggatgtct gattgagtcg cggtatatat cgag 294

<210> 7327
 <211> 288
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7327

agctagtaga agcaagaatt tctttctggc cttaacgag gacnccgaaa aggcctatga 60

ctcattctca tgggtcttttt tggattatat gctgcaaaga atgggcttct gtccccaatg 120
gagacaatgg attcctgtct gtctcaactc accaaccata tcaattcttg ttaatggcag 180
ccctacaaag gagtttgctc ctactatagg gttgaagcaa ggggatcctt tagcccctct 240
tgcttttagc atatttggag aaaacatcac aggattgatg agggaagc 288

<210> 7328
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7328

tacccccctgc tttgattgca ttcaaaggtc atgntctccc gannggcccc tctnggcaca 60
tgcttggctt ggggttatcat aacaaaactg acattgagag tttgaggaag gctgctgtta 120
ttcatttcaa tggccagtca aaaccgtggt tgcaaattgg ctttgatcat cttaggccat 180
tttgaacaa gtatgtcaat tatacaaatg attttgttag gaactgtcac atcttggatt 240
catagtctgc catgagatgc actatggttt gaaacaacag tgcatgcata ctacgaaagg 300
gacgagtaaa tacatgtttc atctaaattt ctgcggattg agaaggcaat ataaaattgg 360
ttgagggcaa agtgtgggtg gataatttgc ttgcaccccg taacattttt ccacacacag 420
ttactatcct ggca 434

<210> 7329
<211> 296
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7329

agcntagaat cattatctta tctccgacat ccattgggtg agtcctgtcc cggtagtccc 60
gaagaagacc ggcctacag ngataaaaaa tgagaaggag gagctaattc ctactcgggt 120
gcagaacagt tggagagtct gcattgacta taagaggctg aaccangtta ccaaaaagga 180
ccattttccc ctgccattca ttgactagat gctcgaacga ctggcatgtt aatcctcact 240
actgttttct tgatggtttc ttctgctatc atgtaatatc tattgctctt tacgat 296

<210> 7330

<211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7330

tgatgcaaca tatggagagg ttaatgaaac aacgagatta ngcgctccat gttatgttgg 60
 atcaaattgga gaacagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcttagaca aaaccgaatt gatggtatta aactcaacat tcttcccttt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 actatgagga ggaccaaaaag gtgaagcttg ccgccacaga gttttccgac tatgctcttg 300
 tgtggtggaa caagctacag aaggagagag caagaaatga agagccaatg gttgatacat 360
 ggacggagat gaaaaagatc atgangaagc ggtatgtgcc ggctatgtac tcaagggact 420
 tgaaattcaa gctccaaaaa ctaa 444

<210> 7331
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7331

gacactatga tactaagctt gagaatatat ataaaagatc tatgactatn gaagaatcat 60
 tcatgtgncc ttngatgaga ctaatgctat ttctccaaga aaggatattt tagatgatgt 120
 agcagaatct ttagaacaaa tgcataattca tggacaatat tctaaaggaa aagggaaagg 180
 aagcaatgaa gatcctccag aagaagccaa atcaaattgat gaacttccaa aagaatggaa 240
 agcttcaaaa gatcatcccc ttgacaatat tattggtgat atctcaaaag gggtaacaac 300
 tagacattct cttaaagact tatgcaataa tatggctttt gtgtctatgg ttgaacctaa 360
 aaatataaat gaagccataa tagatgatca ttggatagtt gttatgcaag aagaactaaa 420
 tcaatttgaa agaaaaaatg tgtgggaact 450

<210> 7332
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7332

ntgaagaagc atcaaagcag gatgtatggg tcaaggcatt tgttagaaga gatacagatg 60
atcgagaaaa acaacacatg ggagtttagta aatcgteccc atggaaaaga tatcattggg 120
gttaaatggg tctataagac aaagctcaac ctgatggcac catacagaaa cacaaggcga 180
ggctaatagc taagggttac tcacagcaac ccggaattga ctacaatgag acatttgcac 240
tagtagctcg tcttgatacc ataagagctc taatagctct tgcgtcacia aaaggatgga 300
gtatccatca actagatgtc aaatccgct tccataatag cgtacttgaa gaagagatct 360
atgtggagca gccacaagga ttcgtgtctg aaggcaaaga aagaaaagtg ttaagactaa 420
gaaaagcact ctacg 435

<210> 7333
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7333

tgtcctgaac ttgtacaaaa tgggggttcgc tcgctgtcgt aacttaccct tcggcgggag 60
ggcgacgcga gactcacggg tgcgtcttcc aagaaaggaa aatgcatgga gtcgccacca 120
acgtttattt ggggaaaaca tccgaaaaac cgaaaaagac gtgggtctaca aactttaagt 180
gtgaggttcg agagttgtat ttacgcacgg ngaagggtatt agcacctgtt agacaagtgg 240
cctcagatat cttagaagg ggggggttgaa ttaagatatt ccaaactgtt tcccctaatt 300
aaaaatctat tttatTTTTT actcaagtta taaattccct taatgacaat cttcttaaat 360
attaattcaa atgaagcaac ttgaatatga atataaagca ataataaata aaggagatta 420
agggaagaga aaatgcanac tcagttttat act 453

<210> 7334
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7334

tctattcaat ntagctctga tgggaaccac atgccatcnc tttcagattt gcaccaatag 60

gaatacccat gtagataaat gagaaagata atattctaca attcaagaat gatgaataac 120
 gttcaatatc ttccttatcc accccaatac ccctaaatct acttttgtga aaattgactt 180
 tcaatctaga tacaagttca aagcacctca acacactttt tacaacaacc acattgtcca 240
 tggtgaactc tccaacaaaa attgtgtcgt ccacatattg caacaagttc acctccacct 300
 ccttagcctt cactttgaac cctctatata tgtattttct tattgcccc cttattagcc 360
 cacttaacc ttcgctata atagaataaa gaaaatgtgc tagaggatca ccgtgtcaaa 420
 gccctcttgc atcatgaatt ct 442

<210> 7335

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7335

ctcagctaaa cattcaattt cgaggctctc gatataacg ggattatatc aagcatcctt 60
 tanaaaattt attggcgctt gaatttgtc agagattcaa cattcaattt cgagcgtctc 120
 gatataattac gggactcaat cagacatccg agtaaaaagt tattgtcgtt tgaattggct 180
 ccgagcttca acattcaatt tcgagcgtct cgatatgtta cgagactcaa tcagacatcc 240
 gagtaaaaag ctattgtcgt ttgaatttgc tcagagattc aacattgaat ttcgagggtc 300
 tcgatatctt acgggactca atcagacatc cgagtgaata gttattgtcg tttgaattgg 360
 ctcagagctt caacatttaa tttcgagggt ctcgatatat tacgggactc aatcagacat 420
 ccgagtaaaa agttattggc gtttgaattg gctc 454

<210> 7336

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7336

agctataaca tcagaccact tccagggtgt tgtaactact tacatggatn tgatggggcc 60
 tatgcaagnn gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
 cagatttacc tgggtaaaact ttatcagaga gaaatcataa acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa gagagaaaga ctgtgtcatc aatagaatca ggagtgacca 240
 tggcagagaa tatgaaaaca gcagggttcac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga aaaacaggac 360
 cttgcaagag gctgctcggg tcatgcttca tgccaaagaa cttccctata atctctgggc 420
 tg 422

<210> 7337
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7337

agcttctatt acctatctac agttttttct atagnctat tattacaaga ccaactctta 60
 aaattaaata ttatgatttg cctcactact cgccccattt tcccaaatac tttcaggggg 120
 tgcattccat gttggacggc tgtccaggaa aaacatggga acctaacgag aagaggataa 180
 acaagcttgt cttcattgga aggaatttgg atgaaactgc ccttaaaaaa ggcttcaaag 240
 gttgtttagt atagcattaa agatctgtta ccagtcaagt tcccaagcag cagcccttgt 300
 gtgtcttatt ttataaattc cagcaagcaa gtatatgtac atggtagcac caatcgaata 360
 aacgttggtt gttcgtgcta tatactgaat atacagactc 400

<210> 7338
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7338

agctagttgg ttnatgaaac tngatctgct gtatggttat caccaaacc acatgcattc 60
 ttcggacatt gctaaaacga ctttcgcac gcatcacggt cactatgaat tcaaggttat 120
 gcccttcggg ctatgcaatg ctccctccac ttttcaggcg acgatgaaca tgcttttcgg 180
 gccattcctt cgccggtttc tcattatctt ctttgatgac attttaatct atagcatcac 240
 ctttaatgat catgttcttc atttacaaca agcttttcag gttctgttgg acaatcaatt 300
 cgtcctgaag ttgtccaaat gtaccttgc tcagccacag gtggagtacc tcggccatgt 360

ggtctcctag cgaggagtg

379

<210> 7339

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7339

ntattcaaga caagaatcca agaaagtcaa gatatatgat ctagtttgat ctcttagaat 60

ctttaggaag aagttttccaa attgaaacaa acaaaagggtt tgaccaagga attctatcct 120

ttcaaattga gatttgctct ctggtaatcg attaccagca gtttgaaaat gttttaattc 180

aaatttttaa aacctgtaat cgattacata agtcttgtaa ttgattacca gaggggattt 240

tcagaaaata atttccaaga gacatatcta ttcaaagtgt ttatgaacgg ccattcaaatt 300

gttttaaaga gagttttcat tgcccaaaca gctttatcct ctcgaaagat caagagtttt 360

tctgaactga aatgtcttat cctctcaaaa agattccttg gtcaaccact tgcttattca 420

ataaggaatt nttgattgat cttcattnta caat 454

<210> 7340

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7340

agctacttag tctcagatta tgcnaactgt tttttagctt acctcatgca ctctctaat 60

gactatggca tcatttcttg cgctaaactg ctgggagttg gaagccatct tctcaattaa 120

atttctggct tcagcaggag tcatgtctcc aagggtctta cactggcag catctatcat 180

acttctctcc atattactga gtccttcata aaaatattgg agaagaagct gtcctgaaat 240

cttatgggga gggcaactgg cacatagttt tttaaattct tcccagtact catacaggct 300

ctctccactg agttgtctaa tacctgagat atccttcttg atgggttggtg tcttagaagc 360

aaggaatttt ttttctaaga atactctc 388

<210> 7341

<211> 442

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7341

gttgagccaa ttcaaacgac aataactggt tactcggagg ttgtattgag tcccgtaata 60
tatcgagacc gtcgaaattg aatggtgaag ctctaagcca attcaaacga caataacgtt 120
ttactcggat gtctgattga gtcccgatcat ataccgagac gtcgaaatn gaatgttgaa 180
tctctgagcc aattcaaaca acaataaact ttactcggga tgtctgattg agtcccgcaa 240
tatatcgaga cctcgaat tgaatgttga agctctgagc caattcaaac gacaataact 300
ttttactcgg atgtctgatt gagtcccgta atatatcgag acgctcgaaa ttgaatgttg 360
aacctctgag ccaattcaaa cgacaataac tgtntactcg gatgtctgat tgagtccgga 420
catatatcga gacgctcgaa at 442

<210> 7342
<211> 378
<212> DNA
<213> Glycine max

<400> 7342

agcttaaaca ttcaatttcg agcctctctt tatatcacgt ttattcaatt aaacatccga 60
gaaaaaagtt attgtcggtt caatttgctc agaggctcaa cattcaattt cgagcgtctc 120
gatatattac gggactcaat cagacatccg aggaaaatgt tattgtcggt tgaattggct 180
cagaggttca acattcaatt tcgagcgtct cgatatgtta cgggactcaa tcatacatcc 240
gagtaaaaag ttattatcgt ttgaattggc tcagatcttc aacattgaaa ttcgaacgtc 300
tcgatatatg acgggactca atcagacatt cgagtaaaac gttattgtcg tttgaattgg 360
ctcagagcgt caacattc 378

<210> 7343
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7343

tgatgcaaca ttcggagagg ttaatgaaac aacgagaata ngctctccat gagaggttgg 60

atcaaatgga gaatagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcttagaca aaaccgaatt gatggtatta aactcaacat tcctccattt aaaggaaaga 180
 atgatccgga ggctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 actatgagga ggaccagaag gtgaagcttg ccgccacgga gttttccgac tatgctcttg 300
 tgtggtggaa caagctacaa aaggagagag caaganatga agagccaatg tgatgtgaat 360
 cttacgngc gcggatcgct tgatacaggc tgtagaagtt ttggatgacg ccactt 416

<210> 7344
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 7344

agctatcact ctaatgtcag attcaggaac taattatata ttgacactcg aaattgaaca 60
 cggaagctct ggtccaaatc atatggccta aacttttgac atggctgtac gattgagggc 120
 catgatatat cgagatgcta gaaattgaga aatggaagtt ctcgaaaaat tcaaatggtc 180
 ataagttttc actcgaatgt cagatttagg aacaaaatat acagagacgc tcgaaattga 240
 acaacggatg ctctctagaa atttaaattg taaaaaattt tcacacgtat gttagattca 300
 ggcacataat atatcgagac gttcgaaata gaacaccgaa gctctgggtcc aattcaaacg 360
 tccataactt ttgtcatggg tgtatgattg acgcccata tgtatcgaga tgctagaaat 420
 tgaataacgg a 431

<210> 7345
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7345

agctcgcgnc catnatcatt tattagagtt acctccccta tgtcaacaan cntgctggag 60
 anatggatgc ccatcttcac cataccgaaa tccctttttt gatatgatga aaaaaaacct 120
 ctatgaggag taacatggaa ggatgctcta tagtctatta tccatataca atcattagat 180
 gcaatattta aataattttc attattgata agaaaaacat tctcatcatc tgatgccacg 240

gcaatagtgg cttcacctta gtctttttca ttgagtcaat ttgattagca tggacagttc 300
cagccttctg atctctcttc aagaatttgc actcagactt cttatggtct taactttcgc 360
agtagcagca acccagcct tgggatg 387

<210> 7346
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7346

agtttaatta tctattgtta tagctntggt tcttgcaggc gctagatact aaaatcaatt 60
gacaaagaga actaagacgg gctataggct ttgatacaga ttttatctta taaccaatta 120
gtattaagta aagttgtcca acagatatat aagttgcacc ccaaaaactg agatagggtga 180
tgtgggactt tctaacggct agaacacatt gtcagttttc taacgagtga aggtcgcaac 240
aaaatggctc gatcgaaaga ttttgagaat actccagatc ttttatgagt agaaaactag 300
cttataatct ctaacagaaa cactggcgaa ttaagtttgg cgtactcgat agataacaga 360
tagattatga tcagaacaca taact 385

<210> 7347
<211> 465
<212> DNA
<213> Glycine max
<400> 7347

gacacttaaa actcagcttc cagaatcaag atcaagattc aagactcaag attcaataat 60
caagagaaga cttaatcaag ataagtatga aaagggtttt taaaaaattg agtagcacat 120
ggatttttct caaaacatgt ttatcaaaga gtttttactc tctggtaatc gattactaga 180
ttgttcta atcgattaccag tagcaaaatg tttttgaaaa agttttcaac tgaatttaca 240
acgttccaat tgatttcaaa aagctcttat atgttttggg aatcgattac cactgtcttt 300
gaacgttgaa attcaaattc aaatgtgaag agtcacatcc tttcgcataa aagctttgtg 360
taattgatta cactgatttg gtaatcgatt accagtgatt gtttctgaat aaatgaaaag 420
atgtaactct ttcaatagtt tttgatcttt caaattgggt taatt 465

<210> 7348
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7348

tgcactcaaa nccgacattc gagtgaaaag atatgaccat ttgaatttct caagagcttc 60
tgttgctgaa tttctagcat gtcgatatat tatgtccccg aatcggacat tcgagagaaa 120
agttgtgaca atttgaattt ctatagagct ctggttggtc aatatcaagt gtctcgatat 180
attatgcgcc agaatatgac attcgagtga aa 212

<210> 7349
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7349

gcatgcgaag tgggtggaat tcctagagca ttttctttat gttatcaaac ataaaaaggg 60
aaaatgtaat attgtagccg atgctctttc tcggcgctcat gcattacttt ctatgcttga 120
aacaaaattg attggtcttg aatgtttgaa aagcatgtat gaaaatgatg aaacttttgg 180
agaaaatttt aaaaattgtg aaaaattttc agaaaatggt ttcttttagac atgaaggctt 240
tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct actagaaatt tgcttgtttg 300
tgaagcacat gaaggagggt taatggggca ttttggggtc caaaagactc tagaaacatt 360
acaagaacat ntttattggc ctcatatgan aaaggatgtg cacgaaattt gtgaaca 417

<210> 7350
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7350

ngagaactct ttccatgcag aagttagaat actaagcaat attcctcata ccttcattgt 60
gagattgatg tggtgtatct ctaatgagga ttctatgctc tttgtgtatg agtatctgga 120
aaatcacaac ctagataagt gactgcacca gaagcttaag tcagggttcag taagtaaagt 180

ggtccttgat tagccaaaga ggttgaaaat aaccattgga attgctcaag gttaaagcta 240
 tatgcaccat gattgttcac catttgtggt tcatagagat ataaaaacaa gcaacatcct 300
 tctagatact caattcaatg caaaagttgt tgattttgga cttgctaaga tgtaaatcaa 360
 gccaaagggaa tctttttgtt tcttgactaa caaatatatt gctcttgctt agctatatatt 420
 tgtgtgtgcc ttatgagtaa actatnnttt tagtc 455

<210> 7351
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 7351

ggctgcaagc tacgtccacc tatttgcaga aatgaaagaa ggggtgtaata aataacattt 60
 ggctggaagg aaacaagaga caaatacctc ccccgcccaa aaaaaataaa agaaaagaag 120
 ttacctttcc ccatatatat ccccttgtat tcttctgccc ctcttcttgg taggaaccat 180
 cctcattgac ccaaaaatgt gggttgccag cacactgaac tctgccaac tgcacacaac 240
 aaccaaaaca ggattctttc aaaaattctg tttcacaata aacaagatat ggttattaag 300
 agagagcctc tcaatatgaa ttgtcgacct gcaacatacg aagctccact ttagttattt 360
 cccgaccatt gatgaaaacc tgagtgggtc cattgctagc atccgggttg at 412

<210> 7352
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7352

tactcaagct taagaacgga gttccaacca cagtgagtca caatccctcc tgaggcaggg 60
 tggccaata tcagcaactg gggcgcccag ttccatatga tataaccctt cttgctttct 120
 ttcatccttt gcccaaatc ttgcaggaaa ctctctccat cctcatctcc atctccatac 180
 cttttccgaa taaccagat gaaatcatga ccagaatttt caagcccggtg agcgatttca 240
 acaagctgag catgaggag cctgattcgg cttccaaaac ttacataaag aactgactca 300
 ttntgcttag agttaagcca gtttagccac tcttattctt gcacaagctc ctcttgtgt 360
 cccctattgg ccttttcttc atcgactga ttaattaacc caagctgaca ccggtcctac 420

actccaacac ttgacccctt ttgtgctctg ataa

454

<210> 7353

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7353

agctattgta gtagtagtct tcattacatt ttaaatact atgttcaatg acatgaaaac 60

actgcagcta acttagcaaa tattcagtaa ctttgggtcat acctttaact agttgcagga 120

agaaacaccc ttattagtga gttctttgta accttttttc tacaggtagg gcatttagcc 180

tgtgcagata tagcagccct gatgcaattc ttgcaaaaaa tatgaccaca ctttggtgac 240

atttcttcaa ccaaagggga catacatatt gggcaattaa aaacaggctc cttatgagct 300

tcaggctcct tgggaggttc aggtgtcttc ttagcatttt cactctgcaa aaggaaaaag 360

tgtcagcaat ttgaactcat acaaagtctt gcaatcaact gcaagtctnt atatg 415

<210> 7354

<211> 347

<212> DNA

<213> Glycine max

<400> 7354

agcttaagct ctttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatgacaa 120

gttgggggca agtaaatattt ctttccatca gaccttggat gccactgtga tcggatccac 180

atctctgcta gatattgacg agtattcaag ccatacctcg tcttgcccta aatgttaaag 240

agcgtcccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300

ctaacatcta gatcagacca ctacggaaga tcaaagaaag ttgacct 347

<210> 7355

<211> 569

<212> DNA

<213> Glycine max

<400> 7355

agcttggact tctgtgttg tgggaacctc tcttctctca ggtgtaccca aaccaatca 60
 cctgggtcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgcatTT 120
 ttcttttcaa ttgagcctt cacttgctca tgcagcttct tcacatactc agcttttagcc 180
 tgtgcgtcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
 aaaggattaa atccatacac tatctcaaT ggtgaacaat tatttTgtgct atggatgata 300
 cgaaatcaga gtgtggtaac ggaagcaaac aaccaataac gaaagtacta ggtaccaccc 360
 ttatttagtcg aattccttta agtatttttg gtatttTgtg ttttgggttt ttacgaaaat 420
 cagcaaggaa aaataagcga tattaaacta caccaatagc ttaatacgag attagcactc 480
 accaccaatt gagctaatcg gactattttc aagacgacgc tggcaaataa tcgggcgaaa 540
 aatgtaacac aatttctaT tggactgaa 569

<210> 7356
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7356

tactttcttg attcatgaaa gatccaagcc atctagtTgt atcaaaaagg gtgctaaaat 60
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 ttggcttttg tgacagtgat tgggcaagct gtatggatga aatataaagt actttcggat 180
 atgttttctc actgggttta ggagaatttt catggtgctc aaagaaacaa caaaccttg 240
 cccaatcttt tgcaaaagct gaatatattt cagctggctt agctacccaa caagcaatat 300
 ggttgaagag aatatttgaa gactttggtg aaaagcaagg gacaatgact atccattgtg 360
 ataacaaatt tgctattgct atcac 385

<210> 7357
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 7357

agcttttgac ggactatacc aagctctatg aaccagggac ggagaaagat ctatatatag 60
 gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcataaaaa agatatcaag gaaaggtgga aggcgtatct 180
ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
ggaccggaac tataagtatt atcgctcgat tcagaaacag gaagtaaagg aagcgttgaa 300
aagaatgagt aatggtaagg cgggtggggcc agacaacata cctattgaag tgtggaaaac 360
tcttgagat agaggtcttg agtggctcac cgaactcttt aacgaaatta tg 412

<210> 7358
<211> 128
<212> DNA
<213> Glycine max

<400> 7358

tgcttttccc aaagagaggc accactgggt ttatcacctg atcgccaacc ggatgcccc 60
aagcgtcttt gacttttttg aagcgtcga tatccataat aacgacgcac taaagcggat 120
tctgggct 128

<210> 7359
<211> 353
<212> DNA
<213> Glycine max

<400> 7359

atatactgta atcgattacc agagcttatt ttcagaaaat attctcaaca atcacatctt 60
tttgtgtggt tcttgaatgg ctatcaaagg cctatatata tatgtgtgac ttgcgacacg 120
aatttgctaa gagtttttaa gaacaaaaag gtcttatact cttacaaga aaaattgttt 180
tactctctta caaatctctt ggccaaaaca cttgtgattc aataaggaat tatctgagtg 240
ctcaaaatgt tcaatctatc tctgtcaaga gagatatctt cttttctact tcttcattct 300
gaaaagggat taagagaccg agggctctct gttgtgaaag aattctttac aca 353

<210> 7360
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7360

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aaccactcca gtgtagttt tgcctaaccc gagagaaccc tttgaggtgt attgtgatgc 120
atcaaagatg ggattaggag gagtgttgat gcaaaatggc taagtagtgg cctatgcttc 180
tagacaactc aagactcatg agaggaatta catcactcat gacctggagt tagctactgt 240
agtttttgcc cttaatgatg ggaggcatta cctgtttcgc tccaagtttg aggtgttttag 300
tgatcataag agccttaagt acttgtttag tcagaaagag ttgaacatgt gtaaaaggag 360
atggttagag ttttttaaag attatgattt tgagcttagc taccatcccg gcaaagccaa 420
tgtagtggct gacgccttga gtangaaatc cctacatata tcggcattga t 471

<210> 7361
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7361

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atccccaca aggaaacttg caaacaagtt tttctcaata gtttccctct caccatctca 120
cacaatcctt ctaataacaa tagtaaacaa gaaaagtgtc aatggatcac cttgtcttaa 180
aattttttga gcgaaaaatt cataagtatt tcagcaacat caaatgggtac ttgatgtcaa 240
acatccctta atccaatgaa tccacttctc atcaaaaccc aacctcttca tatagaacaa 300
gaaattccaa ttaatcaaat aataggtttt tcataatcta acttaaagat aagacttttt 360
ctttttcctt ttttctttat caatgggtatc attcacggcc aacacactat gaagtaggaa 420
ttttcctccc aagaaagcac tttgcttatg atcaatcaca cttaanagta ctttcttcaa 480
cctattagct aacaccttac aaaatatatt atacatacat c 521

<210> 7362
<211> 456
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7362

ttggaaccca gatgtccat cgactagcct gtttatatttg ggcagaaggt atgcgtcttt 60
aaagcatgcc ttgttcagat tagtgtaatt ggtgcacatt tgtcaattgt tgttgaacct 120

tttgaccatg atgatgttgg cgagccacgt ggaaaacctg acttctctaa tgaagtttgc 180
attgaggagt ttatccactt cttctttgac agctttacgc cattcttctc ccatcttcct 240
tttattctgt gatattgttt tggcctagga acatataaca agttttagt agattatgct 300
aggatggatt cctggcatgt tagacggctg ccaagtaaat aaattcccg tttcatgtag 360
cacgtcggca atgcgttggg gctcatgact agtgaggctg ctactaagcc acatgcacta 420
cccanngtta ggttcgagtt gcaacttgac atgctc 456

<210> 7363
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7363

gtggtccata atgctttcaa ccgagcttca gcattttattt tatcaacccc aatcaaactc 60
tctggaggta tttgaatcat catgtacacc gtaaagctgt gtgctagttt tagtattttt 120
caaccagcct cttaaact tggttttgat tttgttcacc caactcttgc taagattcag 180
agattccttg gatgataagt ctaaggctaa tctagtgcaa attaaaggac gattttcagt 240
gacatcagaa aatttagatc tgggtgaagg atgcttttta gttttttctt attaatacaa 300
tgggtccctat cgacaacttc aactgacttc atcatatgga ataggatatt cctgtaagtt 360
cagtttcacg ccgatcttca cagggttggt gatgatctaa ttgattattg gctatatatn 420
tatgttttct tcttatcacc tcatttgatg gtctctttcc ttttacgtta aatatatgga 480
tcaccaatga gggaaatc 498

<210> 7364
<211> 451
<212> DNA
<213> Glycine max
<400> 7364

ccctatgact cggattcttg gggattccta aactatatga ttatgatgat gggattttgc 60
taaagatgga gaaaatggat ccatggatgc ctttctagtg caactacatc aattttgatc 120
aaaggccaca ctactagaga atttgtgcct gaaaggggac tgatgcaagg agatcccctt 180

gcacctttcc tatttaatat aacagctgat ggactcactg gggatgatgaa gacagctgtc 240
 tccaaaaacc ttttttagcat ctataaagtg gggaggcaaa aggaggagat taacatcttg 300
 aagtatgcac atgatacact gttttttgga actgcgacta cagctaattgt tagagacatg 360
 aaatctatcc tcataatttt cgagatgggtt tcaggactca agattaacta tgctaaaagc 420
 caaattgagt gcttgcgtaa atctttggac t 451

<210> 7365
 <211> 518
 <212> DNA
 <213> Glycine max

<400> 7365

agcttcgtaa tttgaggagc atgaatgggt gctttacaca aacaatgcat gtgaagggtgc 60
 atgtgccatt ttgaattcta taacaatatt acccatttga tgatgatcct tcccatcttt 120
 gaatttccga ccacatgcac ttatcttaat tagtcaataa attattttaa taacatctga 180
 caattagcaa attcgaccat tagtaatcta agatcacctc ttacatttct atgaacttct 240
 tttagaatgg gcacgaggta atcatgttta aatcataaaa ttattatttg taagaaaaaa 300
 tcttttcaaa tatttaacac atttatatat agaatttgaa gactaaataa ttgatcagat 360
 gaaataatct cacatcaatt aatttatgca ctcatgattt acatttccat ggacttaact 420
 gtgaagttct aattaaaaca actacataat attttaaaaa gatgttagaa aatttataaa 480
 agtaaagtaa tattttctta aataaactga atgaaatg 518

<210> 7366
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 7366

agcttcatcc actttcttgc aagggatgaa gtgtgccatc ttaggaaact tgtcaacaac 60
 aacaaacaca gaatcctttc cattcttggt tttgggcagc cccaaaacaa agtccataga 120
 tatgtcagtc caaggatatt taggaacagg caaaggagta tacaatccat gaggtttaac 180
 cttagattta gcttgtttac acacaatgca atgaccacaa aacttatgca catcacgcct 240
 catatgaggc caaaagaaat gatcttgcag aatttccagg gtcttttgaa ccccaaagtg 300

tcccatcaac cccccctat tgtg

324

<210> 7367

<211> 473

<212> DNA

<213> Glycine max

<400> 7367

agcttccaag aatcaagatc aagattcttg actcaagatt caagaatcaa gagaagactt 60
aatcaagata agtatgaaaa ggttttttca aaaactgagt agcacatgga tttttttctca 120
aaacatgttt accaaagagt ttttactctc tagtaatcgc ttaccagatt attgtaatcg 180
attaccagta gcaaaatgga ttgaaaaaag ttttcaaagt aatttacaac attccaattg 240
atttcaaaaa aggtgtaatc gattacaatg ttttggtaat cgattaccag tgcctttgaa 300
cgttgaaatt caaattcaaa tgtgaagagt cacatccttt cacataaaaag ctttgtgtaa 360
tcgattacac tgatttggtg atcgattacc agtgattggt tctgaataaa ttaaaagatg 420
taactcttca aaaagttttt gactttctca aattgatttt aaagttttct aaa 473

<210> 7368

<211> 463

<212> DNA

<213> Glycine max

<400> 7368

ttatagcaaa tgccactcta ctccaagttt ttaaaggata tggtaacaag gaaacacaag 60
tatattcacc aggaaaacat tgttgtggaa ggaaattgta atgctgtgat tcaaaaaatc 120
cttccacca agcataaaga ccctgggagt gtaaccattc cttgtttaat tggagaagtc 180
attgtgggaa aggttcttat tgatttggga gccaatatta acttaatgcc actctccatg 240
tgcagaaggt tgggagagtt ggagatcatg ccactatga tgactttaca actcgctgac 300
cgctccatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt aaaacatttt 360
atcttcatga cagactttat ggtaatggat atctgtgaag ataatgacat tcctataata 420
ttagaaaggc gattcatggt aattgctgag tgcatagttg ata 463

<210> 7369

<211> 489

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7369

aaatctatat atgggtttaa acaagcttcc cgttatttgt accttaagtt tcatgggata 60
atttcttcat ttgggttttga tgaaaacccc atggatcaat gcatatacca caaggtcagt 120
gggagtaaaa tatgttttct tgtttttatat gtagatgata ttttacttgc agccaacgat 180
cggggtttgc tacatgaggt gaaacaattt ccctctaaga attttgacat gaaggatatg 240
ggtgatgcat cttatgtcat cgacattaag attcatagag atagatctcg aggtattttg 300
ggtctatcac aggaaacctt tattaacaaa attctagaga gatttcggat gaaagatagt 360
tcacccagtg ttgctcccat tgtgaagggt gataggggta atttgaatca ctgtccaaag 420
aatgactttg agagggaaca aatgaanaac attctttatg cttcagttgt tggaagcctc 480
atgtatgct 489

<210> 7370

<211> 554

<212> DNA

<213> Glycine max

<400> 7370

tataggattc tacatgtgct aaatgactac actccatctt ttaatctacc aatgtcactg 60
cttccccaaa cattcccaac ttgcaacaac tacttagaag agagttatga ataatttccg 120
aggagagat tcccccttcc ctcatatgat ggtacaaact gaaagctaca ttcaagcgtc 180
ccactttgca cagtccatta ataagcttgc tgtaagtgtt aagattaggc acacagccac 240
attcttccat tttctcaaag agcacagttg tgattccaaa atcaatttta ctccatatat 300
ctgtattatc aacagagata tttgttaaac ttacatcaag ccccatggga ttgcttcctt 360
ccttcttatg tttttcaatc actagatgct tcattatgat ggagtatgtt agataagaag 420
gctcatcacc agtaccaaac atgcgcctga gaacaccaca tgcactatca agtagtccca 480
tacatccata tgctttaatt aataaattat atataaagga atcgagcaat acgccttcat 540
ttttaatctt gaga 554

<210> 7371

<211> 479

<212> DNA
<213> Glycine max

<400> 7371

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ctattttatat atatatatcc aaactcaatg aataaatcct taaatgatat cacaaaacttt 120
gaatttcaat tttcatatat agcaaagagc tttttttcaa cttaaataaa ttattcctca 180
aaaaggacac gtataataaa aaaatacacg aattcgtagt aatatttgaa ataaaaacat 240
tatattctta ctgaaattta attttacgtt gaactgtatt ttttactcct aatgggttaaa 300
taattgataa attatatctc ccaacattaa ttacacattt taccctaaac tttaaagaaa 360
ctcgtggcctt ttattctcta tcattttatt tctaataata ctgtattttt taccctactt 420
attattcttt ggcaaattat accttcaatt tttgtgctta ctaatgaaaa agtgattga 479

<210> 7372
<211> 500
<212> DNA
<213> Glycine max

<400> 7372

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gaactactaa atggatctgt gaggatcttg gatatctgta gtacaattaa agattgccta 120
ctgcaacaca aggaaagagt gcatgaactt gagtcagcta ttcgcaggag aagagatgcc 180
gaggccggat tcacagtttc gagtggaaaa tacttggcat ctaggaagca ggtgaaaaaa 240
gcaattcgga aggccttatg aaatttgaaa ggattcaaga atgaactcat atttgcttcc 300
tcaaacaaag acaacgagac attgtgcatg cttagcttct taaaagaatc agaactagtc 360
accgtgagct cattaaaagc cctcttggtt tttatcactt gctcaaaggg acaatccaaa 420
cacaacaggt gggtcataat ctccaagttg atccaaccaa tagagtggga tgtgactctc 480
aagagccgat tcaaatgaat 500

<210> 7373
<211> 508
<212> DNA
<213> Glycine max

<400> 7373

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 agccttcagt ggcctcacac aaacacacta cactgtttct cacagtcctt ctcacagga 120
 gcaagatatt gagagccaac ccatcatagt gaaccgtgac ggctctgaaa ataagtacga 180
 aactacgttc cttatgacct cagaagaagg tggagaatac gagttggtgt acttcaagag 240
 gctcgatgat gaattcaaca aagtggacaa gttttacaag tcaaaagtgg aggaagtgat 300
 gaaggaagct gcaatgctca acaagcaaata ggatgctttg atagctttca ggatcaaggt 360
 tgagaagcca agtttggtgt tatttgatca ttctgtggag atgactcgtc ttgcttctga 420
 tgttgcttct tcactctgag tgtgggcagt ttccacaccc aaaggggcca aattggacag 480
 taattaattt tcaccttcac ctcatttt 508

<210> 7374
 <211> 133
 <212> DNA
 <213> Glycine max

<400> 7374

agcttggttat ttattacct tttttggttt ctaagttatg aatcatctct caggctgcag 60
 tcattccaaa ttgtcgcatt ctcgctgcag ttggccagaa aatggcccgc actcccgcg 120
 ctagtgcctc cct 133

<210> 7375
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7375

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 taaaaatctt taagggcaca taagagtga aaacaaaagt acaaagagta ctattctgag 120
 agaccaaatt ctccattcc catgtagacc agcagaatct gtctgaatca tgattttgaa 180
 cttgcaatct ccagttgaaa gatctttgtc agtgacaaca gaaagaccgg ggaatttgca 240
 tgactgtca atctggtcat tcaattggaa gtaactattg aatgcataag aaagattacc 300
 acgagcatct aaaccaccac atgaagtttg atatccaaga cttgtgcaat ctgcattttg 360

acaagcataa gacacactcg gtgccacttg atcactattg agggttgctg aggttttcaa 420
aatgcaccac tttnttngta gatatgccac cccagtagca gctactaag 469

<210> 7376
<211> 483
<212> DNA
<213> Glycine max

<400> 7376

agcttttgca agctggaatc atttatccta tctccaacag ccaatgggtg agtcccgtcc 60
aggtagtccc gaagaagacc ggcctcacag tgataaaaaa tgagaaggag gagctgattc 120
ctactcgggt gcagaacagt tggagagtct gcattgacta taggaggctg aaccaagtta 180
ccaaaaagga ccattttccc ctgccattca ttgaccagat gcttgagcgc ctggcaggta 240
aatctcacta ctgttttctt gatagttttt ctggttatat gcaaattact attgctcctg 300
aggatcagga aaagaccaca ttcacctacc ccttcggcac tttttcctat aggaggatgt 360
ctttcggcct gtgcaatgcc cctgggtacct tccagcgggtg catgattagt attttcagtg 420
acttcttaga aaattgcata gaggtgttca tggatgattt cactgtgtat ggatcctctt 480
tga 483

<210> 7377
<211> 480
<212> DNA
<213> Glycine max

<400> 7377

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actttatatg acaacttate catcataggg aagctgaaaa aattaagaat tctcagcttt 120
tctggatctc gaattgaaaa ttgtccagct gagttaaaga acttgataa actacaatta 180
ctagacatca gcaattgttc agtagtcaag aggattccgc ctcagcttat gtcaagggtg 240
acttcgttgg aagagttgta tgtaagaaat tgcttcatgg aagtgtcgga ggaaggagag 300
agaaaccaat gtcaaatctt atttatttct gaactaaac atttgcacat attgcaagtg 360
gtggacttaa gcattccatg tgctgaagtt tttcccaagg aattgttctt tgcaacttat 420
gtgattacaa gattgagaat gggaacttct aaatgctttc acctggagat ttcagaatgc 480

<210> 7378
 <211> 571
 <212> DNA
 <213> Glycine max

<400> 7378

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aggatcatctg aagcagaata tcgcgcttta gctaccacca catgtgaact tcaatgggctt 180
acataccttc ttcaagattt tcgcattcca ttcaactcagc cagctaacct attttgtgat 240
aatcaatctg ctattcaaat ttcttccaat cagggttttc ataagcgac aaaacatatt 300
gaattagatt gctatatcga tcgcgaaaaa tcaactaatg gccttctcaa gcttcttcca 360
gatagatcct ccatgcagct tgctgatatt ttaccaagc ctttatctcc tactcaattc 420
aagacactaa tctccaagct gggaatgata aacatctatt ccagcttga gggggggctc 480
ttaccactat gagagaattc gcgttgctgc tactgcataa gtgccgctac tgcagagttg 540
ctgctattgc atttcattac atttcattta c 571

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<210> 7379
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 7379

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aaatcgatgt taacaaaatg atgttaactt taacatcgat tttcttcaag aaaccgatgt 180
taacttatca tacgttaaca tcgattttat gaaaatccga tgttaacgga tacatattat 240
ttacaattat gccaccgtgt ttatcttaac atcgatttta tcaaaaaccg atgttaatct 300
gacgatgtta aatctgtttt ttgtagtagt gtataataaa tacttggaatt attaacatgt 360
agagactagt gtaaaacctt ctttgggttg agctactaat ggcttgagac aataatattt 420
atatctttga gaaaaataga aaaacttgat gggtttattaa caatttaatg taatcctcag 480
tgtttgagaa aaattattat aaa 503

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<210> 7380
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 7380

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 atttgaattt ctcaagagct tccgttggtc aattttgagc atctcgatat gtgattttccc 180
 tgaatcgtag atccgtgtga aaagtattga ccatttgaat ttctcaagag cttccgttgt 240
 tcaatttcga gcctctcgaa atattatgag cccgaatcgg acatccgtgt gaaaagtatt 300
 gaccatttga atttctcgag agtttccgat gtttaatttc aagcgtatcg atatattata 360
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<210> 7381
 <211> 608
 <212> DNA
 <213> Glycine max
 <400> 7381

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 ggccaagaat ttttaagttaa aaagtctttt acaagaaatt tactctctgg taatcgatta 180
 ccagtggcca aaactgattt acaaacagct attaaaattt gaattcaaaa tttgccctgt 240
 gtaatcgatt acacatatat ggtaatcgat taccagtagt ttctgaatgt ttttaattcaa 300
 atttttaaagc ttgaaatcga tttcacatat actgtaatcg attaccatag cagaatttca 360
 gaaaatatta tcaatagtca catctttcta tgtgggttctt gaatgggcta ttcaaagcct 420
 atatatatgt gactcaagac acaattttct taaaattctt aaaacaaaaa ggcttacctt 480
 ttaaaagtaa aataatttta ttctcttaca aattcttggg caaatacttt gggattcaat 540
 aagaaatatt taaaatctta aatgggttaa ttatcttttt caaaaaaatt catttttttt 600
 ttttttat 608

<210> 7382

<211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7382

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 tgcttctgag gttgaggagg tctattgtaa atatttgcag cataagcttc aggctgctca 180
 atcgctccag gttgctgcat ggaagggcaa aggtctgtat ggtggtcagc agaggagcac 240
 aaaccacaaa cccttgtaac aggtacaaat ttctgattca aggccagctg ggttaccaag 300
 ttaaccaatg catccagttt gccttcaagc ttcttagtct cagatgatgc agctgagttt 360
 gtagctacct catgcactcc tctaataact atggcatcat ttctggcact aaactgctga 420
 gaggtggaag ccattctctc aataaatttc tgcttcagca ngagtcatgt cttcaagggc 480
 tcaccactgg cagcatctat tatacttctc tccatattac t 521

<210> 7383
 <211> 437
 <212> DNA
 <213> Glycine max
 <400> 7383

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180
 gatagacatg tggaggagta gctgatttct tgggggtgcc atatgtaaca attgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagggtta cattgaatcc ttcacacac agctgactga tgctgatcaa gtttgagtc 360
 agtcccttca ccaacagtac tttgtccaga ctaggaagtc catcatgaac taccctttcc 420
 atttcaatga tcttttc 437

<210> 7384
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7384

tatccccgtt ttttctttgt atcaacgtgc tgtcaatgtg ggctctccgc ataaattttg 60
ttgctgtgct gcttcgttac tctaatacta tttctttttt ccttttaata atgaacaaga 120
gtatcactat ttttcttttt cgtacaaatt tggtagtatt tgttatgtca ttattattat 180
tagttttaat ttcatttgtt atctataaat cctgttcctt ttaattattc tttttcaacg 240
aaaaacaaac ttggtagag tgagtttctt cgtgcattga aattgaagtt acattgcgtg 300
aatgttttagc agatttcgtc gtttagagag agcaagtcag atgatcggcg tttctatata 360
tttacagcaa cgaagaccct ccatctgaga actgattcaa ggaaagatcg cgtggcgtgg 420
atacaagcct ggttttaaca cgtgccctga tcctcttcac cactcatg 468

<210> 7385

<211> 511

<212> DNA

<213> Glycine max

<400> 7385

agctttacat tactcctcat gcttcttacc atgtctaata aggttcgatt tcttcgttct 60
gccacaccat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120
tgaagaaatt tcgcaaata acttggggct tgtccatcct ctgtgtatct accatgggtac 180
tccccacctc tatctgatct cacgatctta atttgttttc cacattgttt ctcaacttca 240
gccttaaaaa ctttaaaggc atctaaagct tcattcttat aatgaagtaa gtagcgatac 300
atatatcgtg aataatcatc tataaaggct atgaagtatt tctgactatt tgcattccatg 360
tctggacaac atatgtctgt atgtatgatt tctaataaat tagaactcct ctctgcccc 420
ttttaagact gtttagtttg ttacccttaa tgcattctac acaagtttca aaatcagcgg 480
aaatccaagg actaagtact tcttctttac t 511

<210> 7386

<211> 447

<212> DNA

<213> Glycine max

<400> 7386

ttaaatagaa aagaatatgt aaatattgat ttaaagcaca tggtgtttgc tttgctgatt 60

caggagagcc attgagttgc tctcaggaaa ggaaggaatc atatctcaaa tggttgagac 300
 caaaccagac aagctctaca gcttgacctt ctcatgggt catgctgatg acaagtgcaa 360
 ggagcctctt gctgttatgg cctttgctgg tgaccaggct cagaacattc actacactcc 420
 caatttcaat tccaccttcc aaactgctaa cgtcaatttc actgccaagg ctgagaggac 480
 tagaattgca ttctatagca tatactacaa caccagaagt gatgatatga gttctc 536

<210> 7389
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7389

tcatgatgaa tcaagattga ttcaaagagt tttgatgatt actaagatga tgacaaaaag 60
 ctcaagagtc aagaacactt catgataaca aagatgatga tctcaagaat caaaggatga 120
 gttcaagatt gaatcaagaa cacttcaagg ttcaaaagga aatttgattt caagaatcaa 180
 gtttcaagat tcaagaatca agagaagact caatcaagat aagtattaaa aaaaattttc 240
 aaaaactgag tagcacatga atttttctca aaaacctttt accaaagagt ttttactctc 300
 tgттаатсга ttaccagatt attgттатсг attaccagta gcaaaatgat tttcaaaaag 360
 ctttcaactg aatttacaac gttccaattg atttcaaaat gttgтаattg attacactaa 420
 tttgгтаатс gattaccagt gtgtttгаас attгaaattc anattcaaat gtгаagt 477

<210> 7390
 <211> 535
 <212> DNA
 <213> Glycine max

<400> 7390

agcttgcttc tacagagtga aatatgattt tagatgaagg aaaacaggaa aaagaaaaac 60
 aaaaagaaaa agagaagggt gatgaggaga aaaagaagag caagagtгag gttttaagag 120
 agaaaaagaa cgagattact tcagctгаag gaaaggaaгt accatatcca ttggгacctt 180
 ccaagaagga taaagagcга cacttagcca gattttctгa catcttcaag aagctгgaga 240
 tcactttгcc ttttgгagaa gttctccaat agatггcact ctatгсcaaa tttttaaaг 300

acatgctaac aaagaagaac cagtatatcc acaatgaaac aatagttgtg gaaggaaatt 360
 gtagtgctgt cattcaacgc atccttccct cgaagcacia agatcctgga agtggtcacta 420
 taccgttttc cattggcgag gttgttgtgg gtaaagctct cataaacttg ggagctagta 480
 tcaaattaat gcgtctctcc atgtgccggc gacttggaga gatagagata atgcc 535

<210> 7391
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 7391

tattctatga tattgggaat aatgtctggt aatttataaa tgttggcagt ttaacataaa 60
 taatgataag gatgggctct tttgtttatt aattttatgt acaccctgcc gttctctttt 120
 tccatttaaa acaacaccac cttttctagt tattaattaa atatttctca acttgcaagc 180
 actaaatcgt ttgatttccc ctctttgatc ttgtgtgcgt gtgtgtgttt tgtgccatgt 240
 acttttgcta tttctgggtc acaactgata tagtctctta agagaatcct actctttggt 300
 ggcttgaaat gtccctgact tacgggatgt ccataaaata caattttgcc acttactgac 360
 actttacttc at 372

<210> 7392
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 7392

agcatgtagt ataataggta tgctccttta ttataaatcc aaaaggcata agttagaaaag 60
 aaaatggaat cttgttttaa atatgaaccg caaggaaatg tatttattaa agtactatcc 120
 atcataatat tatgtgaact ctctatttaa taataaatta gaatgaatac atttcaatat 180
 cttttatatt aatattttct ttggatcatt cgatatattc atatatttaa gttgatttga 240
 tatgacataa caaaaatttt aaacatgaca aaaaaataaa agacttaaat atgtttttca 300
 tatatataat attttttttt tcatattggg atctattttt gctttccacc taatctttac 360
 agaattttgt ctttgatata tgctgttaat atttatctat taagtaataa cgtgatatta 420
 cattattact gaaacatcat tgtaatagta g 451

<210> 7393
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 7393

agctttcttc aatcgctgat acgggtgata tggtttgaga aatcttcggc gcctagtata 60
 tattgtcttc tttccatggt tcatttggat gaagctcatg tttctctcac aaatagggca 120
 tgcacgatgc cctttgacac tatatccact taaatttcca tatgttagaa agtcattaat 180
 agtacaaaac accattgatc gtaacctgaa ggtctgttgg agattcccat cctacacatc 240
 aaccctatca ttccccgact gccttggacc cgctatcatc atacacagga taatgtatct 300
 ttgcttgatg cacaacaaa gagggagggt gtaaatcatc accaaaatag gccatgacct 360
 gtggtttgtg ctttaagttac caaagaatt cattccacc agagcaagac caagccttag 420
 gtttcttggc tca 433

<210> 7394
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7394

agcttatcaa aggggaatgg accttttttg tcaacaattg gcttcacctt cccactttct 60
 aagtaagggg ttagtttctt cagaacttct ccattggaag taactacaaa tctgaagcca 120
 ggtggtgtaa cagcacctgt gagtgccacc aactgccat cttctttcac agccttcact 180
 gccctgtcac attgccctgc aagtcaccag caaggaatga aacactatca acaacatgag 240
 tagtataaat tagtattggg ggaagtggga ttttggaag aaaattttgt gattttccct 300
 tatagagtat attgttaaca ggggtgtgagc gttgtaaaca ctctagtacc gtgttcaatt 360
 gctacagata aaaaaataga gtatattggt tcattgaatt tcagaanatt aagtatgata 420
 tacatgataa caaattttct tttccatcta cctgtgcgga 460

<210> 7395
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 7395

tggttcctaa cgctctgttc aggctatccc aaaatctatt gttaccctag gatctctatc 60
agacactata ctagatggca caccatgtaa tctaacaatc tcactaatat acagggaggt 120
caacttctcc aaggaaaatc taatattaat gggaatgaag tgagcagact tggtcagtct 180
atcaacaata acccagatag aatctaaacc tctgggggttc taggtagtcc tacaacaata 240
tccatggaaa tactgtccca cttccactat ggtatctcca agggttgtaa cttccctgaa 300
gggtctctgac taaacatgca cacacaaact cactaacctc tctcttcatg ttaggccaat 360
aaaacatcat cttcaaatcc tgatacatct tggtagcacc aggatggatg ctaaagtttc 420
tccta 425

<210> 7396

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7396

agcttcactc tgatctgcc a tgttctttaa attaggatcc atagggcttt caacaggctc 60
acagttctgc atacctgttt cttctaaaat atcaagagca tacttcctct gagaaatcac 120
aataccatct cctgattgag ccacttcaat accaaggaaa tacttcaaag atcccagatc 180
tttggtatgg aaatgactga ataagtgtc tttcagctgg acaatcttag tagtatcatt 240
ccctgtaatc actatatcat caacatagac cattagatag acacattttc caggagatgt 300
atgatagtaa aatacagagt gatcagcttc acttcatttt agtccaaaca tttgaacaac 360
atgactaaat ttaccanacc atgctcgagg 390

<210> 7397

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7397

agcttgacat actaggctta acttttttta ccacctttcc ctcagaagca acactacttc 60
acttggnttt ctaatcttgc aatactcatt gatgacgacg acccgatacg ctttcacatc 120

tggcttcac ccatgactaa ccatttccct caaatgctaa acagcctcat cagacttccc 180
 cacaatgcaa aacccttca acaagctagt gtttgtggca acgtcttctt tcaaaccatt 240
 caactgaatc ctactcatca tcttccctggc ctgcccgcgt tcaccgctca aacaaagacc 300
 ttcaatcaaa gcattgtagg tcacaacatt cggggaacac cttccataat ctctttcaag 360
 cactcaagcg catctcgga atcacctctc tttgaatacc ctgcaatcaa a 411

<210> 7398
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 7398

agcttatgac aatttgaaat tctttagttt tttogaagat taatttcgag cgtcgcgata 60
 tattataagc atgaatcgga cctacgtgtg aaaatttatg accatttgaa ttatttgaga 120
 gcttccgctg ttcaatttcg agcgtctcga catattatgc gcctgaattt gacttgccctg 180
 tgaaggctat gaccatttga atttctcaaa gagcttccga tattcaactt ccagcttctc 240
 tatatgtgat ccgcctaaat catgacatcc gagctaaaag ctatgacaat ttgaatttct 300
 caaaagcttg cggagttcaa tttcgagcat gtgcgtatac tatgcgcccg 350

<210> 7399
 <211> 559
 <212> DNA
 <213> Glycine max

<400> 7399

tgagttggtg accattcact ttttaagactt tgggtggttat tttattttta atctcaattg 60
 caccatgagg aaaaaacatt agtaataaca aaaggatcat cccatctaga tcaaagtttg 120
 ttggaaataa gcttgagaca agagttaaac aagagcactt tttagtcaat atggaactcc 180
 ttcctaagga tcctagagtc gtgaaatctc ttcactttct ccttgtaaatt cttggatttc 240
 tcataggctt ctaagcggat ctectcaagt tcttggaatt aaagcttcc tttcatacct 300
 acttcatcaa atgccatgtt acaacccttc acttcccaat aagcacggtg ctcaatctcc 360
 accgaaaggt ggcattgcctt accaaaaccc actctatagg gagacatcct caaaggtaat 420
 tagtaagcga tcctgtgggc ccatatagca ttctcaaagt tcttgctcca atccttccta 480

atggggttgca ctaccttctt gaaaacttgc ttgatctttt tattaataaaa cctccgcatg 540
cccattagtt cggggatga 559

<210> 7400
<211> 439
<212> DNA
<213> Glycine max

<400> 7400

agcttacaaa tctattttta agtcctttct ctataaacga aataaaataa aatctggaca 60
agataagata agattggatg aaataaaata tggacgaaat aaaatgtaga tggaataaaa 120
tctagacgaa ataaaatcta gatggaataa aatctggata agataagatt tgataaaata 180
aaattgtctg ctctcttcaa gttgaagccc aatttcggat tcaagcccaa ttgcttataa 240
ttctcctgaa attaaattaa aaacacaaaa ttagtcaagt agggccaaat gataaaaactg 300
cataattaat ttgacaatta aggctaata gtaattaaaa tgggtgagaaa aagggttaaa 360
aaataggaga aaataatgac acatcatcaa gctagggttaa tcttttgcct agttactcag 420
ctggacatga atgtcggag 439

<210> 7401
<211> 109
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7401

ctgatactgg ggacagatgt cgtacaggat gtcacgacat cacgcttcag aacatgccag 60
atgtctttga ctgtatgaac aaattaagca agtanataac acaagagaa 109

<210> 7402
<211> 211
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7402

gaagagaatg ccatgtatca ctgtatatac cagacagtca gtgagagtag gaaattgttc 60
cttgatttat acgtagatca tanttttgctt gcgactaatg ataagggtat gctatatgag 120

gtgaatcaat ttctctcana gaaccttgat atgaaggata tgggagaggc atcttatgtc 180
atangcataa agatccatag agaaagatct c 211

<210> 7403
<211> 250
<212> DNA
<213> Glycine max

<400> 7403

ccctatgctg ggagggatga tcattccaca ataacctcag tctgcatct ccgacactaa 60
tggaacgcct actaggtctt taaacatctg cacttccgac ctcaagacaa ataagactgt 120
gccttcccca gagttaagag tgaccatgga ctagatgatc ggatcagcct atatactcta 180
tgctgcccac acgatggctg aactcatgta ccctctgcag ccctcacagc acaacagaat 240
ggcatgattg 250

<210> 7404
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7404

agcttattat ataagataat ntaattctat tttatatcgt aaaaattata gttactatat 60
atttaattaa gtttggtatt catataagat ttttattatc tctttttatt acataattca 120
tattataaca tttttttact attaaacatg tagatcaact aaggattata tctacttaac 180
aaagtattgc caaattttta ttttaaatat ataattatgt taaattttcg gtcaagataa 240
aaaaaatata tattttctca tgaatataaa gaactttgta acttctcaat gaaaatgggc 300
cctgcttctt tagttcactc aattcaaatt aacttctttc ttttcttact ttntatctat 360
ctttnttaac tgaaaaataa agtaatgttt ttttatttct aatcaaa 407

<210> 7405
<211> 389
<212> DNA
<213> Glycine max

<400> 7405

atcaatcaca tcaatcttga aaaataaatt ggcattcaat atattgtaaa atttacatca 360
 taaataaaga ttttatttct tttctcttgc aaagtaaact tgtattccat gtttaattta 420

<210> 7408
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7408

agcttggaac atatagactg tttttgggtt ctcttangga cttaaacaaa atatccgctg 60
 gctggtcatt aaaaccaagg aactcactga cgatctcctt ggacagaagc ttctctcgaa 120
 tgagatgaca accactctct atatgctcag ccccttcatg aaagactggg tttgaggcca 180
 tatgaacagc agcctgacta tcacaataca ccttcatttg caactcttca catgacctca 240
 attcttgcag aaatgggtga atccacatga gttcacaagt aaccatagcc atcgatcgat 300
 attcatcttc tgcactagac cgagctacaa ccgactgttt gttgctttta caagagacaa 360
 gagatactcc aatgaagaca cagtagcgtg atgtagacct cctatccatg ggac 414

<210> 7409
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7409

ctcgtttcca tattcaaate aaataagtgt ttcgttagtt gttcttttat caagtccatg 60
 aaaaaatate taagttcatt tggtttttga gaaagtcctt cattgttttt cattctcaaa 120
 tgttttcaaa agaaatcctt ttgttggtt ctgatccaaa aataagtttc acaaatactg 180
 gttcatgatt ctttccaaaa catgttatgt tcaagacnaa atttctatth aattcctaaa 240
 aaagagttat aatttataac tatactaaca gaatatcaaa gcacgcacaa attagtcaaa 300
 ataaacttgc gtaactttct caaaaaatta aaaacaataa ataaggtaat aaagtattga 360
 aatttaatac aaagcgataa gtaaacacat agacaagttc acgaatattt gaagatcatg 420
 gctaaggagc tcagtctctt tgacgatcat g 451

<210> 7410
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7410

gctaattggag ctcatcatat tagtctccct ggccctcttt ttctctaattg taagatgaat 60
 gggtttggat tatgaaaaat gggagtgaaa aaataaaatt caatttcatt catattaaat 120
 atgtggaaat tcatctaattg ttttttttaa ttatttattc atatacttta aataaattat 180
 aaattaagtt attaattata gtttaattct atgtatgtaa tgtatatttt cataatgaat 240
 aataaataac ttatatattt agttaaattgt ataaatttta attttggtat aattagtatt 300
 atgattataa tattatttat ttaactatta aaataattat tctatatctt tatgattata 360
 aaaaaagtaa aatataaaaa taattagata attatataat taaaaattac atgtaaatat 420
 atacaaaaat aattatagat agacttatag ttatatattt taataata 468

<210> 7411
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7411

cctaagggag gacctttcag tttggagatt atcttatctt tgcctatagg ttggacctcc 60
 cagaagagta tggagtcagc accactttta acattttctga tttaactcct tttgcagggtg 120
 gagctgatat tgaggaggag gaactaacag atttgagggtc aaatcctctt caaggggaag 180
 gggatgatgc aatcctccct aggaagggtc caatcactag aaccatgagc aagagggtcc 240
 aagaagattg ggctagagct gctgaagaag gcctaagggt ctcatgaacc ttanggtaga 300
 tttctgagcc catggggcaa ggttgggtcc aattatcttt gtacatatta gactaggatg 360
 tcattatatt tggctccttgt atatagggtc ccatattgta ggtagggtac cctagaaata 420
 taggattttt cagcccttgt atttttgggc acct 454

<210> 7412
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7412

catgcatctg catccctaan aatcatgtta actgcattta ttntctacat ctaatatcca 60
gtcgtgtcga tttgggatga ctgacctctt cgatgagtcg atctcttgct ttctcataag 120
ggatgaacct tgggtactag taccctcacc tccagaggac tacatgtcct cgccttcaga 180
gggccacacg ccctcgcctt caaaggactt cagtcctca ccttcagagg actacacgtc 240
ctcgccttca aagggtcatg tacctttaac ttacagaggac tacacgtcct cgccatcaaa 300
gggtcatgta ccttcacctt ttaggggcaa cagccctca ccttcagagg actacacgtc 360
ctcgccttta gaggggcgca caccctcgcc ttacagaggac tacacgtcct caccttcaga 420
ggactacacg 430

<210> 7413
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7413

agcttcccg c atccacattn ggaatgatct tanttctgcc ttcattaggt aatatcagta 60
caacaccgat atggctccca accgaacca gctgcataac atgagtaagc gagagcatga 120
gtctttcaaa gagtatgctc aacgttggag agatctagca gcacaagtgg cccctcccat 180
ggtcgagagg gaaatgatta caatgatagt ggatacccta ccgtgttcta ctgtgagaag 240
ttagtgggtt acatgcctc cagcttcgcy gacttgggtat tcgctggaga aaaggatcaa 300
agtgggtttg aagaggggga aatttgatta cgtctcccc gccggtacga gcaataggag 360
gactagagta gctggagcaa agaagaagga gggagatgcc cagccatca cttcaac 417

<210> 7414
<211> 323
<212> DNA
<213> Glycine max

<400> 7414

gattaatacc tcccaaacat caatggtaag aagtggctgc aagaaattaa gataaaatca 60
catcagaatt taccaggga atgaactcat tagacccaac tatcattcat atttcaagat 120

aagtaaggaa caataatatt attactactt acataatagc ctccccaac aaggggggttc 180
acagcattgg gactcttgag caccactagc ttgttggcct catctggtga aggaggattt 240
gctgcatttt ccccatcaaa tttgcttgct ctatctatat ttcacatcaaaaagtga 300
tgaacaagaa ggatatgtaa ctc 323

<210> 7415
<211> 357
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7415

tgccttgccc cttgatatat tngagggact tatgggttatt atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag ccggtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtta ggaccactta acttttctact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactga atttcaaaat 240
atttttgaaa gtttggcaac gcaagtatgg ggcattagtt agcttttagct taagaacatn 300
gaaagcttct tcttggttct ctccccattt gaaaccagca tttttcttga gcacttc 357

<210> 7416
<211> 375
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7416

agctntgacc aaattcattc tatgtttttc tttttactcg gatgtctgag tgagtcccg 60
agtatatcga gacgctctaa attgaatgct gaagctctga ccaaattcaa acgatgataa 120
ctttttactc ggatgtctga ttgagtcccg taatatatcg agacgctcga aattgaatgt 180
tgaagctctc agcagattca gacgataata aattgggtact cggatgtccg agtaagtccc 240
gtaatacatc gagacgctcg aaaatgaatg ctgaagctct catcaaattc ctacgacaat 300
gattctgcta gtcagatgtc tgatcgagac ccgtacttta tcgagacgat cgacactgat 360
tctgaagctc tgagc 375

<210> 7417

<211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7417

gacccctaag cacctgcggc tgcagctatg actcgnttct tgggtatattt ttctatatga 60
 tgatgaggat gggattttgt gaaagatgga gaaaatggat ccatggatgc ctttctagtg 120
 caactatata aattttgatc aatgacagcc ctactagaga atttgtgctt gagagggggac 180
 tgaggcaagg agatccccctt gcacctttcc tatttaatat agcagctgag ggactcactg 240
 gtttgatgag gacagttgtc tccaaaaacc ttttcagcag ctataaagtc gggaggcaaa 300
 aggaggagat taacatcttg cagtatgcag atgatacact gttttttgga actgcaacta 360
 tagctaattg tagagtcatg aaatctatcc tcagaatttt cgagttgggt tcaggactca 420
 agattaacta tgctaaaag 439

<210> 7418
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 7418

agcttatagg atgtgatcgg actattatga tcaacttctgt cgccgcatag ataggtaaata 60
 gggcttctct aattgctgag atgtgcaatg atccaggatc attcagcata ccttgatatca 120
 tagggaatag caagcttgac aatgccatgc tagatctaag agcttctgtt agtggtatgc 180
 ctctgtctat ttttaattct ctatctttag gtccgttgca gacaactgat gtggtaattc 240
 atttagctaa cagaagtgtc gcctatgctg ttggtttcat agaagatgtc ttaactagag 300
 ttggtgaact aactttccct gttgataatt atatcttgaa tatggaagat ggattttctc 360
 agagatcagc tcccatcatt ctaggcagac cctttatgac aactgctaga acta 414

<210> 7419
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7419

agctatgagg aaatncaa at taaattcttt ttaactcgna tattcgattg agtcccgtaa 60
catatcgaga cactcgaaat agaatacaga agctgtgagc aaattctaac gtcaataact 120
ttttacaata atgtccgatt gagtcacgta atatatcgag acgctcgaaa ttcaatgcag 180
aagctctgag caaattctaa cgacaataat tttttactta gatgaccaat tgagtcattg 240
aatatttcga gacactcgaa attgagtaca gaagctctga ggaaattcaa atgaaaatac 300
atttttactc ggatatccga ttaagtctctg taatatatcg agaaactcga aataaataca 360
gacgctgtga gcaaattcta ac 382

<210> 7420
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7420

agcttccctg ttnntgcttt aacagttgat gtctttattc atatgagaat atgccttttc 60
tttntattgt aaagatgaaa tctcatacaa ttgtctaatt tccatcagaa ggcaatgaag 120
atgccaatca ctgtggaagg aaatgagctg agtagattta gtgacccgcc aggagatgcc 180
tacttgatg atttatttca tccattggat aaacaacctg nggaggttgt agcagaggcg 240
tccacttcta catccacttc acatatgact aaaggtaatg catctgcaat tgatggtgtg 300
aaaaatgact tggctaaaga gttgagagct acaattgctc gaaagcaatg ggagaaggaa 360
agtgaaattg gacaggcaaa caatggcggg aatcttttgc accgagtgat gataggcggt 420
ctaaaa 426

<210> 7421
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7421

agctnngatt tccttttagta gggaatctat tcttttatta tggagccaaa ccaagtcacc 60
ctcatthaaga actagctctt ttcttctct atngccttta gttgaatata cctttgtttg 120
gttctctatt tggttcttaa ccctctcatg catcttcttt acaaattctg acctagattc 180

cccttcttta tgtataaaaa aagtgtccag tgggagggga atgaggtcta acggtgtag 240
 gggattgaac ccatagacaa cctcaaaagg ggactgcttg gtggttctat gaacccccct 300
 gttgtaggca aattctacat gagaaagata ctcatcccaa gacttatggg tgcctttcag 360
 aagagccctt anaagggtgg ataaagacct attcactacc tctgtttgcc catcagttt 419

<210> 7422

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7422

ctaagctagc taacacacct ctctaatagc taagttcacc tcctttaaat atatgctaga 60
 gcttagctac ataccccccta taatagctaa gctcaccgc atgacaaana aacatgaaaa 120
 taccaaaaaa aaagtcctta ctacaaagaa tactcaaat gccccgaaat acaaggctaa 180
 aaccctatac tactagaatg gccaaaatac aaggcccaaa cgaaggaaaa acctattcta 240
 atatttacaagaagagtag atccaacctt gacccatggg ctcaaaaatc taccctaagg 300
 ttcattgagaa tcctagggcc ttcttttagta gctctagccc aagtctcttg gagtcttcta 360
 tccaataccc ttggggggta ggattgcac agcagctata ggcaggattt atatccatta 420
 cttgaaacac cacattgcaa gtgtgggggc ctatctgaat ggggaatgt 468

<210> 7423

<211> 422

<212> DNA

<213> Glycine max

<400> 7423

agcttgctga tacaattatt aggggattgt ttagtactgg cctataacaa atagtccaaa 60
 ggaggttatg ttcttgggtg agttggaaga agtcttgga gcaactcaac cccagaatt 120
 tcagcgttgt atggtgccat tgtttcgtcg cattgcacgt tgtttgaata gccctcattt 180
 tcaggtttga atttttcaat actttcctct ggctcctttt ctgtttctcc tcttatttca 240
 tgatgaaaat acacctgaat ttcaaattaa ttctctctgg caacttcctt catactgatt 300
 acctgaatcc tatatctcaa ttcacttcct ctagttgata agttgtttta attagcaaga 360
 aaaggactaa cctttttgca tcatcctata gctaaatgca tattgtctta tggttttgaa 420

gt

422

<210> 7424
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7424

agcttagaat tatacaataa cactttttgt ttctccatga agtccttctt aattatcatg 60
 ctatcatgga acttcttggg cttttctttg tagaacttgg cattctcata cgcttctagg 120
 cggatctcat ctaactcact cagttgcaac tttctttcct caccagcttg atccatagag 180
 aagttgcaag tcttctactgc ccagtatgct ttgtgatgta atcctacccc ccaagggcat 240
 tggatagaag actccaagaa gattggacca aagatgcaag agaaggccct agggttctca 300
 tgagccttag ggtagatttt gggcccatgg gttaagtatg tgcccactta tctttgtaca 360
 tattagatta aggtttcatt aattntgggt cttgtattta gggctccata atgtaggtag 420
 gg 422

<210> 7425
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7425

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 ttcatggcct tgcaggtgaa gaccgcaca aacatttgaa agaatttcac attgtctgct 120
 ccaccatgaa acccccagat gtccaagagg atcacatatt tctgaaggct tttcctcatt 180
 cattagaggg agtggcaaag gactggctgt attaccttgc tccaagggtcc atcacgagct 240
 gggatgacct taagagagta ttcttagaaa aaattttccc tgcttccagg accacagcca 300
 tcaggaagga tatctcaagt attagacaac tcagtggaga gagcttgtat gagtactgng 360
 agagatntaa gacactatgt gccagttgcc cccaccatca gatttcagaa cagcttcttc 420
 tccaatatct ttatgaagga ctcagtaata tggagag 457

<210> 7426
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7426

actgcaacat tataatgacc cncctcgttca tttttttaac agcagaataa ttatgatatt 60
 tcaagcaaca gatataatcc cagttggaag aatcatccaa ctctgagatg ggcaagtcct 120
 ccacaacaac aacaatctgt ccttcctttc cagaatattg ctgatccaag caggccatat 180
 gttcctcctc caatgcagca acaacaacag caatcacaac aaagacaaca agcaattgag 240
 gctcctcctc aaccttccgt agaagagtta gtgaggcaaa tgaccatcca agatatgcaa 300
 tttcagcaag agacaagaga ctccattcag agtctgacaa atcagatggg gcagatggct 360
 actcagttga atcaagctca gtccaaaat tctgacaaat ggccttcaca aactgtggaa 420
 aatctgaata atgtgagtgt catcaccttg 450

<210> 7427
 <211> 476
 <212> DNA
 <213> Glycine max

<400> 7427

tccttgagaa gattcctaaa gaagctagag cttagctact tacacttttc taatagctaa 60
 gctcacctcc ataagatgag aagccagagc ttagctacac accccaata aaagctaagc 120
 tcaccctcat gacaaaatac atgaaaaaac aaaaaaagtt cctactacaa agactactca 180
 aaatgcctcg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
 caaacgaaga aaaaacctat tctaataattt acaaagataa gtgggctcat acttacccca 300
 tgagctcgaa atctacccta aggctcatga gaatcctagg gccttcctt ggatctctgg 360
 cccaacctac ttggagtctt ttatccaatg cccttgcgggg ataagattgc atcaatatgg 420
 aagccttaag ttgtcacaac tcaacctccc aatttcacaaa tgtatgacta acacag 476

<210> 7428
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 7428

aacaacagaa gctcttgaga aatcaaattg tatatttttc acacggaagt ccgattcagg 60
tgcataatat atcgagaccc tcgaaattgc acaacggaag ccctcaagaa agacaaatgg 120
tgataacttt tcaaacggaa gtccgattca ggtgcataat atatcgagaa gcttgaaatt 180
gaacaatgga agctctcgag aaattcaaatt ggtcataact tatcacacgg aagtccgatt 240
caagcgcata atataccgag acgctcgaaa ttgcacaacg gaagccctca agaaattcaa 300
gtggtgataa cttatcacac ggaagtccga ttaagggtga taatatatcg agacgctcga 360
aattgaacaa cggaagggtg cgagaaattc aaatgggtcat aacttatgac acagaagtcc 420
gattcaagcg cataatatat cgagacactc gaaa 454

<210> 7429

<211> 420

<212> DNA

<213> Glycine max

<400> 7429

agcttgaaat tgaacaacgg aagctctcga taaactttat ggtcataact tatcacacga 60
acgtccgatt caggcgcata atatatcgag aactccaaa ttgaacaacg tagggctctg 120
agaaattcaa atgttcataa cttgtcacac gaaagtccaa ttcaggcaca taatacatcg 180
agaagctcaa aattgagcaa cgaatgctct cgtgaaattc aaatgggtcat aacttgtcac 240
acggaagtct gattcaggcg cataatatat cgagacgctc gaaattgaac aaccaaagct 300
ctcgagaaat tcaaattggtc ataacgtttt acacggagggt cggattctgg cacataatat 360
atcgagaagc tggaaattga acaaagaaag ctctcgagaa actaaaatgg tcataactta 420

<210> 7430

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7430

cccgacagnn ggggtattatt gaagcttctt cttatcgac aaagctcagt gaagagtgc 60
caagcagtga ctggtaaatt gtccaagcgc ttctatggac cgtctcagat catagaacgc 120
gtgggtaagg tagcctatcg tttgaagctt cctgatgggg ctcgatatcca tccggtattt 180

cactgttccc ttttgaagcc attccacgga gaccccatc ttgattcacc caattcactg 240
 ccgacacgct ttattaacgg tcaaccgatg cttacaccgc ttgccattct tgattatctg 300
 cgacataaag agagggacac gtgggaagta ttgggtccant ggcattggact tttcactgat 360
 gaatcctctt gggaggactg ggaacagctt aagcaggatc atcaccttg 409

<210> 7431
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 7431

cgcttggagt ttccaagtgc caactcgtct tcttctttat tctagtcttc ttctggcttc 60
 aattcttcag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120
 acagctttcc aggttctgct atccagtgat ttgaggaagg ccaccattct tgctttccaa 180
 tattcatagt tgcttccatc gagaattggg ggtctgttca ctgggtccgc ttctttctcc 240
 atgttcatca gaatttatct ccctagatct cactctgtga tttcgagtgt tggctctgat 300
 accaattgaa attctgatac caggggacag atgtcgtacc ggatgtcacg acatcacgct 360
 tcagaacatg cagaatgtat gtgtccgtat gaacagatta aacaagtaaa taacacaaga 420
 gaattgttta cccagttcgg tgcaacctca cctacatc 458

<210> 7432
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7432

agctntgaga naaatataac gacttatact ttttctcgga tgtctgatcg agcccagtaa 60
 tatatcaaga cgctcgaaat tgaaaatgga agcactaaga aaagtcaaac gacaataact 120
 tttgactcgg atgtacaatt gtgtcccgtg ggatatcgtg acgctcgtaa ttgaaaacgg 180
 aagctctgag aaaaatcgaa cgataataac ttttaactcg gatgtccgat tgagccctgt 240
 aatatatcga gacgctcgaa agtgaaaacg gaagctctaa gaaaagtcaa ccgacaataa 300
 cttttaacta ggatgtccga ttgagcccta taatatatcg agacgctcga aatggaaaac 360

ggaagctcta agaaaagtca aacgacaata acttttgact eggatgtccg a 411

<210> 7433

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7433

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gtaatatattt tacatttctc tagttgtatt cctgtagaa tatggactag gttagtacgt 120

ctcatcttat gaatgttatc ccactttctc tttcttctca tgtagttttt gcttaatttt 180

tttggctttt gctttagggt gttgctcaca tgatgcctga ccttccta gttgggtgtg 240

aaagggacat ggaaagtttc cgggagtttt ttgagagccc catgtttaga gcagatgggc 300

ttaaaatata tcctacactt gtaattcgtg gaactgggct ttatgagctc tggaaaactg 360

gcagggtatat atcanatgtt ttcttattat tggactgctt tttcctcaaa catctcaa 418

<210> 7434

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7434

atcatatctt ccgnaatact tatcacctct atcatatcta ataattttca catttatgtc 60

taattgtcat ttacttcat tgtagtaaat ttctaaggaa tccatttcct aagaaatctc 120

gggcaataaa tagacataac cgtaacgtga ataatcatca ataatgggtga taaagtatca 180

ttcctttttg aaagaactaa caccaaaaagg tccacaaata tcagtatgca caatttcaag 240

aagttgagtg cttctttag ctcttttctt tgtatgtttt gcttgggttt cccttaatac 300

aaccacaca aatattttaga tccgtaaaat ctagataagg aagaatttca ttctttatta 360

atctttccat cctttctct 379

<210> 7435

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 7435

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 gaagttacca tgtaataatt tataaatgat ccccttttct gtataaacct tgcaactgaa 120
 aatgccaaagt cttcagcagg tcgatgagga acaggacctc caaactctgt aaacctgcaa 180
 gcataaaaga ggaatagagg caatgaataa tcacttgata tctctagctt gaatgattct 240
 tattcttatg gaaaccaaag aaataagaaa caaggcatca ataccagcca gtccaagctt 300
 ctgtccacat ctttggttgg taagccttat ttggagagaa ataatcacia tagaagccat 360
 tgcaagtgtt aatctgtgaa acattntatt acatttgaaa ttagaagtng aatactt 417

<210> 7436
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7436

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 gaagaattca ttttgcagcc ttgagatgag tagtggttgg agtttccatg tatcgactga 120
 tgagtccagt agcatataga atgtctagtc ttgtgcacat caaatatcac aaactatgta 180
 ccaaactctt gaaatttgta gcatccacct tttttgcttc gtcgaacttt gataacttca 240
 ttttagcactc cacttggtgta ccaactggct tggagctatc catcttgaat tttttgagca 300
 tctcctttgc atatttttgt tgtgaaatga agatttcac tttcttctgc tttacctcaa 360
 tgtcgacata gtatgacatt agtctaatag tggtcacatc gaactctttg atca 414

<210> 7437
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7437

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 gtggctttgt tggccttgcg gtagtcgatg tacattcttc agccaatgaa aatccttgtt 120
 gggattaggt cattcttttc aatccgaatg actgccatgc ccccttttctt tggtagacc 180

tggactaggc ttacccaaac actgttggaa atggggtaga taagcccagc ctctagaagc 240
 ttgagcacct ctttcgcac ctcttccttc attgatgggt tgatccttct ctgggggtgt 300
 cttactggtc tatagtcttc ttccatgatt atcttgtgca tacagtaagc aggggttgatt 360
 ccttttagaa ttgatatgtg ccaccctatt tgcctcttgt gtct 404

<210> 7438
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 7438

cccatgtgaa ttgcttacat agatctgtta tatcccacta attgttctcc ttttgaagtt 60
 gtttatgggt ttaaccact aactcctctt gatcttttgc ctatgcctaa tgtttctgtt 120
 ttttaagcata aagaaggcca agcaaaggcg gactatgtga agaagcttca tgagagagtc 180
 aaagatcaaa ttgagaggaa aaataaaagc tatgctaaac aagccaacaa agggagaaag 240
 aaggctgtct tcgaaccgg agattgggtt tgggtgcacc tgagaaaaga aaggtttccg 300
 gaacaaagga aatcaaagct tcaaccaagg ggagatggac catttcaagt gcttgaaaga 360
 atcaatgaca atgcttacaa agttgagctg cccggtgagt ataatgttag ttccaccttc 420
 aatgtctctg aattatctct t 441

<210> 7439
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7439

cccgactgag ataagggtta gacacatgtt tgggtttttt ctacctctt caacatgagc 60
 ttatgcccta tgttggcat aaaagtgatg tcaccaatgc ctactagttt tcttgtgaca 120
 caatttccca tttttaccgt accaaagtca ccattttga taggttgaga aaaatcctcc 180
 atgtgggcta acgtggaaag atgcacccga gtcaacaatc catgaacaat catcacatgc 240
 atcattaaga tagttgtctt ctccaatgag gaatacatca tcactagat ctgtgcaat 300
 gaccatagtg ctcttacct ccttntctt agaatcaatt tggctctggct taacaatgcc 360

gattttttgt ctctcttgag atgtcgacat

390

<210> 7440

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7440

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atacaaagat gaaacaaatt aaaacctctt tttcaagcaa aaactttgtt tcctcaagac 120

cacttgaact attacatatt gatctgtttg gctacaatga atgactacat tagatggaca 180

tgggtaatgt tccttgctca taagaatgag tcctttgagg tattctttaa attttataaa 240

agagcttaaa atgaaaaaaaa agtatgcgtt acttcaatta gaagtgatca tgggtggagag 300

tttgaaaatg agaactttcg tctattctat gaagaaaatg gaacttttca taattttcttc 360

atgtcatacc ctaatttcat tcggggacga atgtttgtca acat 404

<210> 7441

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7441

cgacaataac tntctactcg gatgtttatt ttgttcccg atatatcgaa aagctcgaaa 60

ttgaatgttg aagctctaag caaattcaaa cgacaaaaaac tttntactcg gatgtctgat 120

tgagtcccg aatatatcga aaagctcgaa tgtgaatgta gaagctctga gcatattcaa 180

acgacaataa ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga 240

aatggaatac cgaagctcgg agcaaattca aacaataata actttttact cggatgtccg 300

attgagtccc gtaatatatc ggaacgctcg aaattgaatg ttgaagctct gagcaaattc 360

aaacgacaat aacatttttac tcggatgtct gattgagtcc cgtaatatat ctagacgctc 420

<210> 7442

<211> 220

<212> DNA

<213> Glycine max

<400> 7442

tttgtactca atcagacatc cgagtcaaaa gttattgtag tttgaatctg ctcagggcct 60
ccgtattcca tttcgcgcgt ctcgatatat tacgggactc catcggacat ccgagacaaa 120
agttcttgtc gtttgaaatt tctccgaact ctcagaattc catctcgagc gcctcgatat 180
attacgggac tcaatcacac attccaataa aaagttattg 220

<210> 7443

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7443

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tagaggatgg cgctcctct cactcttct cctttgtctt ccgctgcatt tccatggcgg 120
aaaatcatca ttaaaggacc tcattgaagc tcaaagatcc agccttcata gaagccccac 180
aagcaagctt ccactactgc tgttgctggt gctgagggct ggaccatctg aggatagggt 240
gattcttcta tccacgggtg tatctgttgc tggagaggct ataattgttc tgctgtgggt 300
gattntgctt ctgagggtga ggaggctat tgtaaattatt tgcagcataa gct 353

<210> 7444

<211> 416

<212> DNA

<213> Glycine max

<400> 7444

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aatttgttcg aagcttctat tttcaatttc aagcatcatg atatatgacg ggactcaatc 120
ggacatccga gtaaaaacta attgtcggtt gaatttcctc agagtttcta ttttcaattt 180
tgtgagcttc gatatactac acgattcaat cggactttcc agtaaaaatg tattatcggt 240
tgaattttct cagagcttct attttcaatt tcgagcacct agaattatta agggactcaa 300
ttggacatcc gagtcaaaag ttattgtcct ttgaatttcc tcagagcttc tattttcaat 360
tctgagcgtc tcgaattatt aaaggactca atccgacatc tgtgtcaaaa gttaat 416

<210> 7445
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7445

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 ttcaaaaccc tttgaactac ttcacataga cttatttggg gcctctagaa ctatgagttt 120
 gggtggtaat tactatggct tagttatagt agatgattac tcaagattca catggacttt 180
 gtttttgaaa accaaagatg aagcttttga tggtttttgc aaacttgcca aggtcattca 240
 aaatgaaaaa aggtcttaac attgtttcac ttagaagtta tcatggaggt gaatttcaaa 300
 atgagtctct tgaaatgttt tgtgaagaaa atggaattca ccacaacttt tctaccctaa 360
 gaacacctca acagaatggg gtcattggaga ggaaaaatag atcccttgaa g 411

<210> 7446
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7446

tganatggaa caacggaagc tctcaagaaa ttcttatggc ttatatcttt tcaactcggat 60
 gtccaattca tgcgcattcac atatcgagat gtcgcacata gaacaacgga agctctcgag 120
 atattccaat ggtcataact tttcactcgg atgtccaatt caggcgcac acatatcgag 180
 atgctcgaaa ttcaacaacg gaagctctcg agacattcaa atggtcataa cttttcacac 240
 ggagggtgca ttcaagcgca caatatatcg agacgctcca aattgaacaa cagaagctct 300
 caagatatcc gaatggtcgt aactattcac tcggatgtcc gattcangcg catcacatat 360
 cgagacgctc gtaattaaca ctgggagctc tcgacatatt c 401

<210> 7447
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 7447

agcttctatt ttcaatttct agcgtctctt atattatgag cctgaatcgg acctctgtgt 60

gaaaagttat gaccatttga atatctogag agcttccact gttcaatttc gagtgtctcg 120
 atatgtgatg ctctgaatc ggacatccaa gtgcaaagtt atgacccttt taattttctcg 180
 agagcttccg ttgttcaatt tcaagcatct cgatatatta atcgctgaa ttggacatcc 240
 gactgaaaag ttatgaccat ttgaaatfff ggagagcttc cgttgttcaa tttcgagcgt 300
 ctcgatatgt gaagcgcctg aattgacctc cgtggaaacg tttgaccatt gaattctcga 360
 gggcttccgt tgtcaattac aacgtctc 388

<210> 7448
 <211> 555
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7448

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 atggatgggt cctaccatga agaacaaaat caaaatcaaa catataatca tcaacaatct 120
 gatcaattat ctcaacacga aaaatagaat gatcctcaga tggatgtttc atggcatcaa 180
 gaatgttaaa atgaacaaca atatcaccaa attccataga caatgtgcca gcataaacat 240
 ctatcttggg tggggctgtt ctcataaatg gcctgcctaa aataattgga actgaaccat 300
 gggaaaatcc ctcttccata ttaagaacat aattaatcaa caggaaaaat aagctcacca 360
 acccgaacca gcacatctc tatgaaacct tcggggtaag caacacttct atttgccaaa 420
 tggatcacia catctgtaga ttgcaaaggt ccaagagata aagaattgaa aatggacaaa 480
 ggcatgacac taactgatgc tcctagatct agcatggtat tctcaaanta ctgttcccaa 540
 taatgcaagg tatac 555

<210> 7449
 <211> 487
 <212> DNA
 <213> Glycine max
 <400> 7449

ttcagccatt tcaaacgatc ataacttttt actcggatat catattgagt cccgtgatat 60
 aacgagacgc tcgaaattga atattgaagc tctgaactaa ttcaaataac aataactttt 120

tactcggatg tctgattgag gcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180
ctgtgagcca atttaaacga caataactgt ttactcggat gtctgattaa gtcccgatcat 240
atatcgagac gctcgaaatt gattgttgaa cctctgagcg aattcaaacc acaataactt 300
tttactcgga tgtgtgattg aggcccgtaa tatatcgaga cgctcgaaat tgaatgggta 360
agcttttagc caattcacac gacaataact atttactcgg atgtctgatt gagtcccgta 420
atataacgag acgctcgaaa atgaatgttg aagctctgaa ccatttcaac gaccataact 480
ttttcct 487

<210> 7450
<211> 387
<212> DNA
<213> Glycine max

<400> 7450
agcttcaaca ttcaatttcg agcgtctcga tatgttacgg gactcaatca gacatccgag 60
aaaaaagtta ttgtcgtttg aattagctaa gaggatcaac attcaatttt gagcgtctca 120
atatgttacg ggactcaatc agacatccga gaaaaaagtt attgtcgttt gaattagctc 180
agaagttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagacatccg 240
attaaaaagt cattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtct 300
cgatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
tcaaaggttc aacattcaat ttcgagc 387

<210> 7451
<211> 375
<212> DNA
<213> Glycine max

<400> 7451
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atgattatct acctcttcgg cgatatgtac ggtcccagat ggacgaatca tgcctacctt 120
atatggtcac atccttcacc ataacagcag caccaacaac aaccttattt tcgaaaagta 180
gctggcccac gcagaccata cgttcctaca acaatccagc aacggcaata acaatatccc 240
cacaacaac acacagttca ggctcctccg caagcttacc ttgaagaact tgtgaaggtc 300

ctctgtaaac ctcacaatct ctcaaaatct catccaaagc taacaaaaat agattgctat 360
 gcgagctcaa ctata 375

<210> 7452
 <211> 531
 <212> DNA
 <213> Glycine max

<400> 7452

tgccatctta tcaaagcaac attcttaatc tatatgcaac agcgagaaaa gaaagcacia 60
 agaggaaatt cacaaaacca aatgagataa acatcaatcc acatttggtt tctggagaat 120
 ataagagaaa acaccgctt cactcaggca gaggaaaacc tctcaaaggc gcataattct 180
 catgcaggca attgtttcat cacaattcca ataagtata tgcataaat caatttttgc 240
 aagtcattta ccatcaaatc aaagataaat tgcataatca tcatggatca ttagggcttt 300
 tacgatttgg actaactttg aaagacatat tggtttttct ggatattcaa aaacaccttg 360
 agaataggaa agcaacataa aaacaaactg acaatttaaa ataatcatt gcttcctatc 420
 ccttcccatt ttaaccaaatt tatgactact tactatacca aaatcttcac ttataataat 480
 taccaacatc tgtatacagt ttataacaat gcagacattt atctacttcc a 531

<210> 7453
 <211> 616
 <212> DNA
 <213> Glycine max

<400> 7453

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 gctttctaag ttgataccta acatcataat aacataagct gattgcaatt tcaaagttct 120
 ttataactctt agaaaaaagg tccatacact cttaatttct ccttttcttt caaatctcat 180
 gattaagaga acacattctc aaatcaagaa aacaaaatca tatgattgaa ttgaatactt 240
 atctttctaatt gatgtttctc tggtcacaaa taaaaccaa tggttgaact tagttacgta 300
 ataatacatat catgaaatag cagaaaaagg tcagccatca taaattgaat taatcatttt 360
 tacaccctaa gtagtaatca taacaatcat gtctaataga gctgctaaat atttagctca 420
 cctctctgcc atctatggaa ttcagtagtt gaacttagat actcgctcta ttaatggctc 480

caaagatagt cttctatctt tataaatcaa taggaagtac gaagacaaaa aatcaataga 540
 aaatagcata ggtacagact atccatgata ataaaaatac actctctaga gaacaaaaaac 600
 aagaataaca gaattt 616

<210> 7454
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7454

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 gaggtgactt tgagcgtttg tttatggagg agtccgagtc aatttctgat tatttttctc 120
 gagtattggc cgtagtcaat caacttaaaa gaaatggtga agatgttgat gaggtgaagg 180
 tcatggaaaa aatacttcga actttaaatc caagttttga cttcattgtt accaacattg 240
 aagaaaacaa ggatttaaag accatgacaa ttgagcaact catgggttcc ttactagcat 300
 acgaagaaaa acaaaagaga aaaattaaac aaaaggaggc tacggagcaa ctactacaac 360
 tcaacgtaaa ggaagcaaac tatgcatatt acaagagcca aagaggacga agtcncggcc 420
 aagatcgtgg acgttgacga tgacatggat gagaacgaag aggtgggttac aacaaccact 480
 ccaacaaatt cacaatggag aaagaatttg aat 513

<210> 7455
 <211> 457
 <212> DNA
 <213> Glycine max
 <400> 7455

atactcagct tgtgcatcca ataccctgat gaggatgtcc catatgttct taaagcagga 60
 ctgatacatt tgcttccaaa gtttcatggc cttgcagggtg aagacccgca caaacatctg 120
 aaagaattcc ctattgtcta ctccaccatg aaatccccag atgttcagga ggatcacata 180
 tttctgaagg cttttcctca ttctttataa ggagtgacaa aggactggct atattacctt 240
 actccaaggt ctatcacgag ctgggatgac ctcaagagag tattctttaga taaaattttc 300
 cttgcttcta tgaccacgac cattataaag gatatttcag gcattatgca actcattgga 360
 gagagcctat atgaaatatt gggagagatt taaaaaacta tgtgccacga gccctcacta 420

cccgatttc tgaacagctt ctcttccat attttta

457

<210> 7456
<211> 506
<212> DNA
<213> Glycine max

<400> 7456

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agaagaatgt ggcatttacc tggggtgaaa agcaagagca agcctttgct ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag 180
actgtgatgc ctctggagtg ggagttggag ctgttttggt gcaagggtggg caccctattg 240
cttattttat tgaaaaactt catggtgcga cccttaacta cccacctat gataaagagc 300
tttatgcctt aataagagca ctccgaactt gggaacatta ccttgtttcc acggaatttg 360
tcattcatag tgatcatcaa tcacttaaag tcattagagg gcaaagcaag ttaaacaaaa 420
ggcatgcaaa atgggtagaa gacctaaagc aatttccata tgttatcaca tacaaaaagg 480
gtaaaacaaa tgtggtagct gatgcc 506

<210> 7457
<211> 372
<212> DNA
<213> Glycine max

<400> 7457

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ctttgccaat gctattcatg gtgtggaaaa agaggagttt gctacttata tggccctcgc 120
atagcacttc acggtcttgc atcggcgagt aaaacttacg ctatttgagc tgccgttcac 180
agcaccatta gatttctact ggcaacactg aaagacgatg gtgggcgggg agaaagctat 240
ctttcatgcc caagaacaag ttagacattg aatgctcaac ggaaacagga tactctccgg 300
cctatcaaac tgcatccaat acgcgagaac gtatgacttt cacctcttat gatgcggatg 360
acttttagcac at 372

<210> 7458
<211> 531

<212> DNA
<213> Glycine max

<400> 7458

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'taaaaaattg ttaaagagtt gtaaaagttc tattgaatgc aagtcaaggt cttacataaa 120
ctcttcatgt cgggtcaaga aaagcattgg aagagttata accttgagaa aatcaagtca 180
agagttacaa cttttgactt tttattcaaa agttatcact ggtaatcgat taccataatc 240
atgtaatcga ttacacaatg cattttatga aaagttgtga ctcttcacaa tcagatttga 300
attccaacgt tcagatacac tggatatgga atcgattaca ttatttgaaa aatatttttg 360
aacgttgcaa atcagttaaa aacattttga aatcaaatat gggcacaggt aatcgattac 420
atgaaactgg taatcgatta ccaaagagta attactctgg taacttgaaa attttagaaa 480
actcttttga aaacaaaatg tgcttgtttg gatttttttg aaaaaaactt c 531

<210> 7459
<211> 451
<212> DNA
<213> Glycine max

<400> 7459

tcagaattca atttcgagcg tctcgatgta ttacgagact caatcagaca tccgagtaaa 60
aagttattgt cgggtgaatt agctgagagc ttcaacattc aatttcgagc gtctcgatgt 120
attacgggac ttaatcagac atccgagtaa aaagttattg tcgtttgaat ttgctgagag 180
cttcaacatt caatttcgag cgtgtcgatg tattacggga ctcaatcaga catccgagaa 240
aatagttatt gtcggttgaa tttgctctga gcttcagaat tcaatttcga acatctcgat 300
atattaccgg actcaatcag acatttgagt agaaaagtta tggtcgttcg aattagctga 360
gaggtgcaac atccaatttc gagcgtctcc atgtgttcgg ggactcaatc agacatccga 420
gtaaaaagtt attgtcgttt gaattagcct c 451

<210> 7460
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7460

agctntgagc taatttaaac gacaataatg ttttgctcgg atggctgatt gaaacccgga 60
atacattgaa gacgctccaa attggatggg gaaactctca agcaattcaa accaccaata 120
cctttttact cgggatgtct gattgggtcc cgcgaatata tcgagacgct cgaaattgaa 180
tggtgaagct ctcagcaaatt tccaacgaca ataacttttt tactcagatg tctgattgag 240
tcccgcaata tatcgagata atcgaaattg aattttgaag ctctaagcta attcaaacga 300
caataacttt ttgctcggat gtctgat 327

<210> 7461

<211> 403

<212> DNA

<213> Glycine max

<400> 7461

agctttgagc aaattcaaac gacgataact ctttactcgg atgtctgatt gagtccctgta 60
atatatcgag acgctcgaaa tggaataccg aagctctgag caaattttaa cgacaataac 120
ctttttactc ggatgtcaga tcgagtcgcc gaatatatca agatgctaga aattgaatgg 180
gaacactctg atcaaattcg aacaacaata actttttaact cggatggccg atcgagtctc 240
ggtatatatc cagacgctcg aaatggaata tctaagctct gagcaaattc aaacactaat 300
aactttttac tcggatgtcc gatagagtcc cgtaatatat ctgaacgctt gaaattgaat 360
gctgaaagct tgagcagatt caaaccacaa taaattttta ctc 403

<210> 7462

<211> 479

<212> DNA

<213> Glycine max

<400> 7462

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ttacgattga tgaatctgat gtatctgggg aacttgaatt ttgggaaaat tctattattc 120
tctttgcact aggtgagtct ctttctatga atgctgtgaa gaagtttatg gagaagacct 180
ggaatttcac ttcagaacca gaattatctt acaatgatga tggttacttt attgtgaaat 240
gcaagaatag ggaagacatg gagctgggta tggaacaagg tccctatttc atttacggta 300

aatcattatt cctccgcaag tggacatctg attttgagat gaaggaagat ctattgcgag 360
 ttcttccaat ctggataact ctacctcaat ttcctctgca tctgtgggga gaaaggagta 420
 tttcgaaaat tgctagtatg gttggtaaac ctataacaac agatgaatgt tctgcgaag 479

<210> 7463
 <211> 495
 <212> DNA
 <213> Glycine max

<400> 7463

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 ctaagctcac ctcccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
 aagttcaccc ccatgacaaa atacatgaaa atacaaaaaa ttcctacta caaagactac 180
 tcaaaatgcc ttgaaataca aggctaaaac cctatactac tagaatggca aaaaatacaa 240
 ggcccaaaca aaggaaaaac ctattctaata atttacaag ataagcggtc tcatacttag 300
 ctcatgggct cgaaatctac cctaaggctc atgagaacct tagggctctc ccttgatct 360
 ctagcccaat ctacttgag tcttctatcg aatgcccttg cggggtagga ttgcatcaac 420
 atgccttatg acacttaagc acacttagtg gagaatcttg gacttgatct ttgattagt 480
 ggctgaactt tatgt 495

<210> 7464
 <211> 481
 <212> DNA
 <213> Glycine max

<400> 7464

ccaaaaaact cagcttgtca gatccatgct cttctctggt gttggatatgt catcaattcg 60
 ttatgaatta gatcacataa attctgtagg acaacaccat gtgacatatt gtatgacctt 120
 atgctccata agtcctctga ctcttatctt atacactaat tgttgaagta gccacaatt 180
 tggtagatat cctttcatct atatatattg atggctgcaa gaacttagga ccgaatcgtc 240
 catgtcttga gatatttgaa attcaaacac tttcatgtta tatttgctta gattttttat 300
 tatctgtctt gggttcagcgc tgcgagtcac cttaacttgt accaaaataa aagactaacc 360
 aatttaaact aaaagatata caatatgttt agacctcgta cttatgggtga aacttggttt 420

tagtctcca accttaacat ataagctctg atggaaagga gaaatactcc ccaaaatatt 480

a 481

<210> 7465

<211> 537

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7465

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caagtgtagg tgctgctatt attggaggca cttgaatttg gttgccacac ctcaagggtga 120

tggcactcat atttttcgga ttatgcacag tttgtgaagg caatttttca gaattttggg 180

actgagcttg gttcaactga gtagccatct gccccatctg atttgtcaga ctctgaatgg 240

aggctcttgt ctcttgctga aattgcatat tttggatggg cattttcctc actaactctt 300

ctaacgaaga ttaaagagga gcctcagctg cttgttgtct ttgtgttgtg tgctgctgta 360

ttggaggaag aacatatggc ttgcttggac cancatcatt ctggaaagaa aggacaagcc 420

tgtgttgttt ggaggacttg ctcatctcan attttgatga ttactccaaa ctggattgta 480

tctgttgctt gaaaggccat aatattatgc tattgttgga tttggtgttg aagggggc 537

<210> 7466

<211> 419

<212> DNA

<213> Glycine max

<400> 7466

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atatttattg tcatgtccct cttgaggatt gtttcaagga cttcacgac tattgcctgg 120

aaaaggtaat tctttacctt taagtccttc aacttctgct cctcgatcaa tttgcattgt 180

gcctccgtac gctctattcc atctgccacc atcaatatcc cattctcaat gagatcccaa 240

tattcttttg agcagaaaag attctccatc aacattgccc aatgatcata atgaccatta 300

aaccttggaa ttgcaggctg cacgaaactg ctactccac cttctgccat tcttctcaac 360

tgttctact cgaaagagag aaaaactgca gtttctttct tgaatacact cactgtttt 419

<210> 7467
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 7467

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agcttgcaaa atggaagcaa atatatctct ctatgggtgg cagaataacc ctcattaatt 60
atgttttaac agccttacgc atttacttgc tgtctttttt cagaatcctt aaaaaagtgg 120
ttcacaagat agtctccatt cagagaaact ttctttgggg aggtggcaat gaggcaacaa 180
agatcccttg ggtcaagtgg gatacagtct gtctatttat gaataaaggg gggttaagga 240
ttaaagactt gaacaagttt aatgaggcct tggttggcaa atggggctgg gagttggtga 300
ataaccagaa ccagctatgg gctaaaatct tgatgtctaa gtatggtgga tggaatgctt 360
tattctatgg cagaaacaat acagactcct cttcttgggtg gaaggattta aaatctgttt 420
tccaacaaca acataataat agtct 445
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<210> 7468
 <211> 529
 <212> DNA
 <213> Glycine max

<400> 7468

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agcttttaag ggtatttgac tatttaggtt ttatgtgtac ccaacttata aaggtttagt 60
gttacttgac caaatagggt ttatggatat ttgacaaaat aaggttgctt gactaattga 120
gattacgggt atttgacaaa taagggttta tgggtatttc actaattagg gttatgtcta 180
cttgatagtt aaggtttact gttcgttgac caattagggt ttatgattat tttaaaaagt 240
tggggtttac aggtatttga caacttattg tttacggttc acgggtattg gactaatgat 300
ggtttatgtg tagttgagta attagaattt aatgttactt gaccaattag ggtttaagat 360
tattcgacaa attaagggtta cttgactaat aatgatttag ggggtatttta caaatttggt 420
tttattgcta cttgacaaat taagggtcaag cggtatttga ctaattagggt ttatgggtac 480
tttagtaatt gaggttatgg gtatttgaca aattagattt atgggttact 529
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<210> 7469
 <211> 516
 <212> DNA
 <213> Glycine max

<400> 7469

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tacctaataag agtcacggg tcatataaat gttccttttc tttgcttgct tatgattttg 120

ggagtttata cacctgtttg gttatatata tatattttta taacaaaaat cttctctctg 180

taattttttt tcttttttat gatgaaatgc actagcttgt tgatttggtg tgtttcattt 240

tttggggtca ttttttggtc ttattttggg tgatgtttcc taaaacattt aaatatttct 300

ttttatttag gtttaacaaa atgtcacgtg gtattataat gctcagttta gtggcatatg 360

atatacctaa tactaagttt tgagctttgt ttctatttca tccttttgat ttatattctt 420

attcgggtgc attattaata agaatatgaa ccttcttttc agaattagga ttaacatatg 480

tggaaattaa aataaacaag tgagctaata ttactt 516

<210> 7470

<211> 402

<212> DNA

<213> Glycine max

<400> 7470

ttgagcaact tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60

atcgagacgc tcgaacttga ataccgaagc tctgagataa ttcaaacgac aataactttt 120

tactcggatg tctgattgag acccgtaata tatccagacg ctcgaaattg aataccgaag 180

ctctgagcaa attcaaaaga caataagttt ttactcgtat attcgattga gtcccgtaat 240

atatcgaaag gctcgaaatt gaatatcgaa gctctgagca aattcaaaag acaataacgt 300

tttactcgga tgtctgactg agtcccgtaa catatcgaga cgctcgaaat tgaatatcgg 360

agctctgagc aaattcaaac gacaataact tgttactcgg at 402

<210> 7471

<211> 361

<212> DNA

<213> Glycine max

<400> 7471

agcttcaaca ttcaattttg agcgttttga tatattacga tactcaatcg gacatccgag 60

taaaacgtta ttgtcgtttg aatttgctca gagcttcggc attccatttc gagcatctcg 120

atatattacg ggacttaatc agacatccaa gtaaaaagtt attgtcgttt gaatttgctc 180
aaagcttcga taatcaattt cgagcgtctt gatataattac tagactcagt cagacatccg 240
agtaaaatgt tattgtcggt tgaatttgct aagagcttcg ataatacaatt tgcaccgtct 300
ccatatatta cgggactcag tcagacaacc gagtgaaaag ttatttgagg tttgaatttg 360
c 361

<210> 7472
<211> 485
<212> DNA
<213> Glycine max
<400> 7472

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gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc ccaagtgaag 120
atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaatatgaa agaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgacac tgccttgagg 240
gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggt cccttcaaac ctttgagcta agactctctg ataggactga aaagaaaagc 420
aagaatctgg cgttcgtgtc caatgatgaa tgagaagaag atgagtatga ccctgatact 480
gataa 485

<210> 7473
<211> 656
<212> DNA
<213> Glycine max
<400> 7473

tgttgctttt ccgattttct ttatgcatgg acgacaaggt ttattactta taagtcatag 60
cacatggctc gacttcaaag tcgtaacagt ggccacgact ttagtacttt atgtaggatg 120
ggagtggcat tctacttcag gagtcgtggg ttatggcaca actttaaaat cgtgacattt 180
ggcacgactt taaagttgtg tttattaatta ttttttaaaa taatatgtca tatgttaata 240
ttattttacg gtttttagtta attaaaaatt ttatatgtta taagtaaata ttttgtagg 300

gcttttagtta gataaaaatg ttatatgtta taagttaata ttatttttagg ggtttagtta 360
 tttaaaaatt tatatgttat aagttaatat tttggttaggg ttttaattaat aaaaatatta 420
 tatgttataa ggtaatatta ttttatgatt ttactcatta aaaaaagtac tatgttttca 480
 ggtaatatatt ctgtaggggt ttaagtaatt aataatggct atgttataag ttatattatt 540
 ttaaggcggtt acttatttaa aaaggctttt gtgataaact aatattattt taggatttca 600
 ctattaatat tattattttc ccaaaatggt ttaatatatt ttatttaatg aaaaac 656

<210> 7474
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 7474

agcttgcata caagattctc ctgacctggc acttcaaaac cttctgggtg ggtcatatag 60
 atgtcttcct ctaaattccc atgcaagaat gcagttttta catctaacta ctccaagtga 120
 agattctctg cagctactat gtcataata actttgatgg tagtcatctt tacaactgga 180
 ttgaagatct ctgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
 gccttgatc ttcttctacc gttagattct tccttgagcc tatataccca cctattctgg 300
 aacgctttct ttccttctgg caatttagtt aaagaccacg tcttattctt ctgaagggat 360
 gtcattctcat ctttcatcgc 380

<210> 7475
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 7475

tggcatcaat caccttgctg accaaacaaa tgatgaattt gtggcttccc ataatggata 60
 caaacacaag gcatcacatt cacaacacc attcaagttt gaaaacgtta ctggtgttcc 120
 taatgcagtg gattggaggg aaaatggagc tgtcacagca gtcaaggacc aaggccaatg 180
 tggtaattaa gtaacagaat ttcttttctc agtaagaatc gaaggcagga caacaggag 240
 tttacaacaa ctcacatgtt ctgctcaatt aactgagcta gactccctcg gttaacacag 300
 aaaattaacc ataaattaa gtgatactat gttctgttct atatatcact gttatgatgg 360

cataaataat aatggttaat ctgtaaataa c

391

<210> 7476

<211> 445

<212> DNA

<213> Glycine max

<400> 7476

agcttaacat caatcacctt gctgaccaaa caaatgagga atttgtggct ttccataatg 60
gatacaaaca caagggatca cattcacaaa caccattcaa gtatgaaaac gtcactggtg 120
ttccgaatgc agtggattgg agggaaaatg gagctgtcac aacagtcaag gaccaaagcc 180
aatgtggtaa ttaaataaca aaaatttttt tatcttatga atcgaaggca cataacatgg 240
agtttaccac tacttatgtg ttctttctta ccaactgagc ttgactccct cggttatata 300
gaaaataacc ataatgaaa gcgatccatt ttctttttca tatattactg tgatgagggg 360
cttaaataat atttgggtaa tttgtaaatt aaccaggatc tggttgggat tttcaacagt 420
tgccggaaca aaaaggattc tacca 445

<210> 7477

<211> 507

<212> DNA

<213> Glycine max

<400> 7477

agcttagtaa agctaggcac taacaatctc cccctttggc aaattttgtc taaaacatac 60
ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcaacaa ctttcattat 120
cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
catctcacat gacatcagct ttctgctttt gctccccctg tctccatgct cttactccag 240
catcttctat cagctactaa tctttttcag gatgtcaaga catctcatgt gacatcagct 300
ttcccttgct tccatgctct tactgcagca ttttctatca gctactagta gcttacatca 360
gtaatcatca gcagcagcag tctcccccta aaaacatgta catacaactt cccctcaaaa 420
tcatgaataa tgcttacatc gtatcctact tctctaaatc ataggtaatg ctttatacta 480
ctactgcgta caccaaacca tccatat 507

<210> 7478
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 7478

tcaacgttca ttttcgagcg tctcgataag ttacgggact caatcagaca tccgagaaaa 60
 aagttattgt cgtttgaatt agctcaaaag ttcaacattc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgagtaa aaagtcattg tcgtttgtat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tattacgagc ctcaatcaaa catccgagta 240
 aaaaattatg gtcgtttgta ttggctccga gcttcaacgt tcattttcga gcggctcgat 300
 aagttacggg actcaatcag acatccgaga aaaaagttat tgcgtttga attagctcat 360
 aagttcaaca ttc 373

<210> 7479
 <211> 506
 <212> DNA
 <213> Glycine max

<400> 7479

agctttcagc caattcaccc gacaataact ttttactcgg atgtctgatt gagtcccgta 60
 atataacgag acgctcgaaa ttgaatgttg aagctctgaa ctagttcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcccg aatatatgga tacgctcgaa attgaatgtt 180
 gaatctcaga gccaatcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg agacgctcga aattgattgt tgaagctctg agccatttca aacgacaata 300
 actatttact cggatgtctg attgagtccc gtaatatatc gagacgctcg aaattgaatg 360
 ttgaagctct gagccaattc aaacgacaat aactttttac tcggatgtct gattgagtcc 420
 cgtaaaatat cgagacgctc gaaattgaat gttgaacctc tgagccaatt caacgacaat 480
 aacttttact cggatggtgt gattga 506

<210> 7480
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 7480

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 taaaaagtta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcgtctcc 120
 atatattacg ggactcaatc agacatccga gtaaaacggt attggtgttt gaatttgctc 180
 aaagcttcaa cattcaattt cgagcgtcta gatataattac aggactcaat caaacatccg 240
 agtaaaatgt tactgtcgtt taaatttgct tagctctcca gctttaaatt tcgagcgtct 300
 cgatatatga cgggactata tcagacatcc gagtaaaaag ttattgtcat ttgaatttgc 360
 ttagagattc aacattcatc ttcgagtgtc tcgttatatt acgggactca attatacatt 420
 cgagtaaaaa gttattgtcg tttgaatttt ctgagagctt caacaatcaa tttcgagcgt 480
 ctgatatat tactggactc aatc 504

<210> 7481
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 7481

ttgatgcaac atttgagag gttaatgaaa caacatcatt atgcgctcca tgagagggtg 60
 ggtcgaatgg agaatttaga tcataatgaa gaacaatgga ggataagagg gaatgatggc 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttccttcatt taaaggaaag 180
 aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgccac 240
 aactattatg aggaccacaa tgtgaagctt gccgcccccg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca taaggagaga gcaagaaatg aatagcccat ggttgataga 360
 tggaccgaga tgaaaaagat catgaggaag cggtatgtgc ccgcttgta ctcaaaggac 420
 atgagatttc aacctccaaa aactaac 447

<210> 7482
 <211> 603
 <212> DNA
 <213> Glycine max

<400> 7482

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 tgggctgcag atttcataag caatgcattt agtatgttta cttggtaggt ttaaattttc 120

aataaaagta attaattttt ttagaatata attttttatg caaggtcaat gtgagttctt 180
 gttacacaaa tgtaattcat tttattacca tattacccaa ttcattaata tgatgcagtg 240
 aatttgcatt aaaaaaatat acttgtaatt atatataata tagaagtttt agcatttagc 300
 agctcactct ttaacacatt tttatataag aaattttatt atacgttaaa atttattaac 360
 aaatataata gaaaaaagac tcacttaaatt tatgatcttt tattaatttt aaacaatctt 420
 acctaatgca ttcaaaagat tgatttagaa aggatctttg ttaatatatt tataattatg 480
 aaggaagtta ttaaactatt atgattgaac tgaatataat aattaaatga cagtcattta 540
 aaactaaaag tttatacggt actattttata caatatatat gttagtgaag ataaatggga 600
 tac 603

<210> 7483
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 7483

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 gtttcactaa tcctttaag aattctatat attaaggga ttatttttta aaaatctcaa 120
 cctaatacaa aataatcatt atttaatttt aaattattgc tttaacagtg ccactaatta 180
 tttatggtat ttgatctaaa tatttaacta atttataggg attttaattt cgactctatt 240
 aataatgaaa aacattgttc gatcggaac tcatggagta cttacaccag ttcattgagct 300
 aatgattatg ataagtttag agaactatac aacaaatcca ctaaggtaaa ttttcattat 360
 catcatttat agagagagag acaattttga cctataattt tctatcccc acaattgcta 420
 ata 423

<210> 7484
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 7484

taagcttgta gaactaccac aaggaaagaa agtaatgggt gtttataaac tatatggatg 60
 aggcaggtaa gggtgtcata aacaatacaa gattgggtgc caagggttac tcacaacaaa 120

aaggtgtaga ctatacaaaa acctttgctc ttgttgcttg tctagaggca atatacattt 180
tactcttatt tgcattgcat acaaaaatga gactatatca aatggacgta aaaaatgcat 240
tcctcaatgg agtaatataa gaagaagtct atgtagaaca acccactggg tttgaaagta 300
acacttttcc acacatgtgt ttcaactcta taaaacattg tgtggactta acaaagc 357

<210> 7485
<211> 434
<212> DNA
<213> Glycine max

<400> 7485

agcttctaaa ctttgtacaa gaatgaagct cttataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ggttgaatta acatagtcca aactgtttcc cctaattaaa 120
aaaatctatt tcacttttta ctcaagttat gaattccctt aatgacaatc ttcttaaata 180
ttaattcaaa tgaagcaact tgaatatgaa tataaagcaa taataaataa aggagattaa 240
gggaagagaa aatgcaaact cagttttata ctggttcggc cacacccttg tgcctacgtc 300
cagtcccaa acaaccgct tgagagtcc actatcttgt aaattccttt tacaagttct 360
aaacacacaa ggacaatcct tcctttgtgt ttagagatcc tttaccacaa gagactcaca 420
gactcttaat ccct 434

<210> 7486
<211> 440
<212> DNA
<213> Glycine max

<400> 7486

ttgtccgcaa aaatcactaa aaaccgtttt aaggtcctac tccttgaatg gtactctttg 60
attttatcgg ataacatgga ccgttcaaaa gcataaaatc aacatgtaac tttattgctt 120
tagctagaac tacgtaggtc taatttcctc atcgtaattg aggatacgta ggagcaaaag 180
tcctgctttt gttgaccacc ccaagagatc gttaatggtc caacgcctta atgtttctct 240
cctttcaaaa acaagagatc gttaatgctc caacgcctta acgtttctct tctttcaaaa 300
tcaaaagatc gttaatggg ccaacgcttt aaatgacctt tgttcgggta aaattgatct 360
ttgcagaaaa agatcaaaac aacttatcca acgtttagtt ctaaaagaac tacgtaagtc 420

tgatttcctc atcgcaattg

440

<210> 7487

<211> 420

<212> DNA

<213> Glycine max

<400> 7487

ttgagaaaat tcaaacgaca gtaacttttt actcggttgt ttgactgagt cccgaaatat 60

atcgagacgc tcgaaattga ataccgaaac gctgatcaaa ttctaacgac aaaaactttt 120

tactcggatg tctgagttag tcccgttaata tatcgaaaag ctcgaaagtg aatgtagaag 180

ctctgagcga attcaaacga caagtaactt ttactcggga tgtctgaatg agtcccggaa 240

tatatcgaga cgctcgtaat ggaataccga agcttggagc aaattcaaac cacaataact 300

ttttactggg atgtccgatt gagtctcct atatatacga acgctcgaga tggaatgttg 360

aagctctgag caaattcaaa ccgacaatga ctttttactc ggatggccga atgagtcccg 420

<210> 7488

<211> 322

<212> DNA

<213> Glycine max

<400> 7488

agcttctaca ttcaatttcg agcttttcta tatattacgg gactcaatcg gacatccgag 60

taaaaagata ttgtggtttg aatatgctca gggcttcggg attccatttc gagcgtctcg 120

atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttgttt gaatatgctc 180

ataacttcgg tattccattt cgagcatctc gatataattac gggactcaat cagacatcgg 240

agtaaaaagt tattgcagtt tcaatttgct cagggcttca gtatttcatt tcgagcgtct 300

cgatgtatta cgggactcaa tc 322

<210> 7489

<211> 527

<212> DNA

<213> Glycine max

<400> 7489

agcttgtaaa aaatgcaaaa ctttaatatc tattaactca aatgtccgat tgagtctgt 60

attatatcga gacactcaaa attgaaaaca gaggtctga ggaaattcaa acaacaataa 120
ctttttactt ggatgtcaga ttgaagcaat taataattcg agacgctcga aattgaatac 180
agaagcgctc atcaaatcca aacaacaata aattttgact cggatgtcca atttactccc 240
ataatagttc aagatctcaa aattgaaaac agaagctctc aaaaaattca aacgataata 300
actttttact tgaaagtccg attgagtctt acagtatata gagacgcacg aaatttgaaa 360
acagatgctt tgtgcaaaat taaacgacaa taacttttta cttggatgtc cgaatgattt 420
ccgtatttta tcaacacgct caaaattgaa taacagaacc tctgagcaaa ttagacaac 480
aataactttt gactccaatg tgccatttga gtcctttaat aatttta 527

<210> 7490
<211> 444
<212> DNA
<213> Glycine max

<400> 7490

tgaaattgaa taacggatgc tccctagaaa ttcaaattgg cataactttt cactcgaatg 60
ccagatttag gaacaaaata tatagagacg ctcgaaattg aacaacagat gctctctaga 120
aatttaaattg gtaaaaattt ttactcggga tgtagattc aggcacataa tatatcgaga 180
cgtttgaaat tgaacactaa agctctggtc caattcaaac ggccataact tttaacatgg 240
gtgtatgatt gaggcccatg atgtatcgag atgatagaaa ttgaataacg gatgctctca 300
tgaaattcaa atggtcacaa gttttcactc gtatgttaga ttcaggaaca aaatatatag 360
agacactcga aattgaacac ggaagctctg gtccaaatca tatggcctaa acttttgaca 420
tgcttgaccg attgaggccc atga 444

<210> 7491
<211> 352
<212> DNA
<213> Glycine max

<400> 7491

agcttcatga gagagtcaaa gatcaaattg agaggaaaaa taaaaactat gctaaacaag 60
ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180

ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300
atttgaggac aaatccttct cttgagggag agaatgatga ggacttgacc aa 352

<210> 7492
<211> 353
<212> DNA
<213> Glycine max

<400> 7492

tgtaacatta tttgtggagt ttaatgacat acatactggt tattaacttg aaataaccac 60
tatattttat ggctcttgat tgcgatgaat gataatataa ataagttgag tctttgttta 120
ccaatggttt acaaagttgg tgcaccccag catcattgta gcaaacatgg gccttggcaa 180
gctgccacat ccaattacta gtatcatcaa caggaggagt aaccactcgc tttgaccggg 240
aattatgtcc aacatgaagg aggctaagtt ctatagccac atgcttgaga gtgccacgag 300
gtgtctataa aaagacggag cgtgtggcat atgactatct accatctaag gca 353

<210> 7493
<211> 544
<212> DNA
<213> Glycine max

<400> 7493

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tctgatgcaa tatacatgat tatttaactt ggtctaataa taaattgtat taattatgtc 120
tctaaagtat gaaaataaag ctcatcagc agccaatcca cagctccaca caagttcatg 180
acaacccttt caaagcttca acttgatagc agtttgaaca tccttatcac ctcggccact 240
gaagttaacc acaaccttgg ctccattagg aagggttgga cacactttct ctagatatgc 300
caatgcatga gatgattcca gagctggaat tatgccttca agtcgtgaaa ctctcttaaa 360
agctacacat acaaaaaatc caaaaaataag atacacgggc aatatctgat accatagaaa 420
catttacttc ttaccacaaa gaagaggata atataaccat tttcttttaa tgcaatatga 480
tggaatatgg caagatgtgg tggatacaat ggaattatgt gttagcactt ttttactacc 540
ccat 544

<210> 7494
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 7494

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agcttataag tgaagccttg ggagaggatt tgtccaaacc ctccaacacc agtacttgta 60
gtaataaagc tgacactact actactaagg caaggataag atgcagcatc gaccaaagct 120
ttctgaaaaa caaatctgta aagggtacca cggaacttct tgaacagcat gtgtggaggc 180
cccagagagg gttgccacaa cgtgcaatgg caattcttaa agcctgggta tttgagcatt 240
tgcttcatcc gtatgtatgc ctctatctat gtctcttatt aataaatgtc tagctccgcg 300
actctctttt ctgcattcta aaaagacatt tggattgaat tgtggccttt ttttgctggt 360
gatgaatatt tttttagtta ccctacagac actgataaac acatgct 407
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<210> 7495
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 7495

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ttgaaggctg atttcatttg cgaagtgaat tacaccaatt ggtagccaa tgtggtcattg 60
gtaaagaaag caactggaaa atggaagatg tgcattggatt acaccaacct caacaaagt 120
tgtcccaatg atgcctaccc tttgcttagc attgacagac tatttgatgg ggcattgtggg 180
ttcagggtgc tcaactttttt agatgcctac tcaggctata ttcaaataa gatgtatcta 240
cccaaccaag aaaagacaac atttgtcatt gatagggcta attttttcta taaggtaatg 300
actttttgat gcaatcctcc ctatgaaggg actagtcacc agagccatga gcaagaggct 360
ccaaaaggat tgagctagag ttgctgaaga agttcctagg gttctcatca atctca 416
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<210> 7496
 <211> 610
 <212> DNA
 <213> Glycine max

<400> 7496

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tgaaggcaaa ctggatgcat tggttaactt ggtaacccat ctggccttga atcacaatc 60
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tgtaccattc gcaaggggtt gtggtttgag ctctctact gaccaccata cagacctttg 120
cccttccatg cagcaacctg aagcaattga gcagcctgaa gcttatgctg taaatattta 180
caatagacct cctcaacctc aacagcaaaa tcaaccacag cagaacaatt atgacctctc 240
cagcaacaga tataaccctg gatggaggaa tcaccctaac ctcatatggt ccagccctca 300
gcaacaacaa cagcaacctg ctcttctggt ccaaaatgct gctggcccaa gcagaccata 360
cattcctcca ccaatccaac aacagcaaca accctagaaa caaccaacag ttgaggcccc 420
tccacaacct tccctcgaat aacttgtgag gcaaatgact atacagaaca tgcagggttca 480
gcaagagacc acagcctcca ttcagagctt aaccaattaa atgggacaat tggctacca 540
attgaatcaa caacaagtcc agaaatatga caagctgcct tctaagttgt tcaaaattcc 600
aaaaatgtca 610

<210> 7497

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7497

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ccagatttag gaacaaaata tatagagacg ctcgaaattg aacaacagat gctctctaga 120
aattttaatg gtaaaaattt ttactcggga tggttagattc aggcacataa tatatcgaga 180
cgtttgaaat tgaacactaa agctctggtc caattcaaac ggccataact ttaacatgg 240
gtgtatgatt gaggcccatg atgtatcgag atgatagaaa ttgaataacg gatgctctca 300
tgaaattcaa atggtcaciaa gttttcactc gtatgtcaga ttcaggaaca aaatatatag 360
agacactcta aattgaacac ggaagctctg gtgcaaatca tatggcctaa acttttgaca 420
tgctngtacg attgaggccc atgatatatc gagatgcttc aaattgagaa atggaagttt 480
tcgagaaatt caaatgggca taacttttca ctcgaaat 517

<210> 7498

<211> 422

<212> DNA

<213> Glycine max

<400> 7498

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ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgggttttg gtgcacatga 120
gaaaagaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgtc tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaattcg 300
atttgaggac aaatccttct catgaggag agaatgatga ggacatgacc aagagcaagg 360
gcaaggatcc actttgaaga cttggaggac ctatgacaag ggctagagca agaaaagcca 420
ag 422

<210> 7499

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7499

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aacaaaaaaa agtccttatt acaaagacaa ctcaaatgc cccgaaatac aaggctaaaa 180
ccctatacta ttagaatggc caaaatacaa ggcctagacg aaggaaaaac ctattctaata 240
atttacaag ataagcgggc tcatacttag cccatgggct cgaaatctac cctaaggctc 300
atgagaacc tangggcctt ccttgatct ctagccaaat ctacttgag tcttttanca 360
atgcccttgc ggggtgggat tgcattcctt cctccacctg ggaaaggatt tgacctcaa 420
tccga 426

<210> 7500

<211> 545

<212> DNA

<213> Glycine max

<400> 7500

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gaatccactg aaaatgaaac cacacatgca atttatcatc gacttttttt ataatgaat 120

tattttctta acatataaca tgatccatac atccttcatt acaggccata cagaaacctt 180
 ataattatca aaataaataa gaagaaatac acccaaaaca ctatgaccac aataaattgc 240
 cacgaagtac ctttttagag acattttcat aactggcctt gcttatgaga gagaaagcca 300
 gtatgaaaac atcggcacca cggttaactca aaggtcttaa tctgttataa tcctcttgtc 360
 ctgttcaca agtaacacaa taaatccaga gataacttcc aagctccaac atcacagaaa 420
 caataatcac gcagcattac cagcagtatc ccacaaaccc agattcacaa tgctcccatt 480
 gacaaccaca attgcgctga gattgtcaaa aacagtcggc acataatcct gtttttaaaa 540
 taaaa 545

<210> 7501
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 7501

agcttgtaa agagagaagc aagttaaaaa ctcctttcaa agcaaaaacg ttgtttctac 60
 ttcaaaaccc cttgaactac ttcacattga tttatttaat ccctctagaa ctatgagttt 120
 aggtgtaa at tactatggct tagcaatagt ggatgattac tcaagggttca catggacttt 180
 gtttttgaaa acaaaaaatg aagcttttga ggcttttcgc aaacttgcca agatgattca 240
 aaatgaaaaa ggtcttaaca ttgtttcact tggaagtgat catggagggtg aatttcaaaa 300
 tgagtccttt taaaactttt gtgaagaaaa tggaattcac cacaattttt ctgccaaga 360
 acacctcaac agaatggtgt tctggagagg aaaaataaat cgctagaaga aggtgcaa 418

<210> 7502
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7502

tactcgagct tgtagcatat tcaaacgacc ataactntta actcggatgt ctgattgagg 60
 cccgttatat atcgagacac tcgaaattga aaacagaagc tctgaggaaa ttcaaacgac 120
 tataactttt tactcggatg tctgattgtg tcccgtagta tatcgtgacg ctcgaaattg 180

aaaacataag gtctgagcaa attcaaacga caataacttt ttactcagat gtccgattga 240
gtcccgtaat atatcgagat gcttcaaatt gaaaatagta gctcctagca aattcaaaac 300
ataataactt ttactcgga tgtccgattg agtcccgtag tgtatcgaga cactcgnaat 360
taaaacagaa gctctgacaa attaaa 386

<210> 7503
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7503

nagcttctgt tttcaattnt gagaatctcg atatattacg ggattcatta ggacatccgg 60
gtaaaaagtt attgtcgttt gaatttgctc agagcttcta atttcaattt tgagcgtctc 120
gatatattac gggacttaat tggacatccg agtgaaaagt tattgtgggt tgcattctgt 180
acgaactttc gttttcaatt tcgagcatct cgatatattg cgggactcaa tcggacatcc 240
gattaaaaag ttattgtcgt ttgaatttgt caccagcttt tgttttcaat tttgagtgtc 300
tcgatataatt acaggactta atcggaaatc cgagttaaaa gttattgttg tttggatatt 360
gtacgagact ttgttttcat tntcgagcat ctcgatatat tacgggactt aatcggaca 419

<210> 7504
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7504

tgtgcgtaat anaacttatt tgacatcaaa gatagtatta tgataacaac ttctgtgaaa 60
taacaaattc gtgtctctta atctgtatta gaacttgacg ttggtgatac ttagaaggct 120
catatggtgg gaacctgatt tctttgttaa tttggttgta tagctagttt cttgggaaga 180
aggagggtat ctgacatcag ataaaccaat gccaaaggga gagattgtag ttggaggatt 240
tagtgtgaca gctggttact ttaagaatca agaaaaaact aacgaagtgt tcaaggtaat 300
ttccaagtt acagttgtat gcatgacatn ttctcttttt aatttccttt aactgctctt 360
annatctgtt ttgcatatta ctaaagccac tcgtacatnn tttttt 406

<210> 7505
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 7505

tgtatgatgtc acttaagaac ataggtgcaa cggtatgctc ggagaacttg gctggtaatg 60
 ttttgaagtg agtatacttt gtcaaacaat ctacaatcac ctaggtaatt gacttcccct 120
 gtgacactgg taagtgtgta ataaaatcca tagagaagtc tttccagacc taattgggaa 180
 taggtaaagg ctataaaagg ccatgctatt tgtgattggg agacttatgc ttttgacaaa 240
 tctcacaggt ttgcacatac tccttgacat cccgacacat gtgtggccat gaaaaggaag 300
 ctgccaaaca tataagcatg cctttaacac ttgagtgtcc tcctgcaagg gtggcatggc 360
 aatc 364

<210> 7506
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7506

tgagttgctt gttgacaagg atctcaagac taactatgac aggattgagc ttgaggaaat 60
 agttcaagtg gcactcttgt gcacacaata tcttccgggc cacaggccca aaatgtctga 120
 tgttgtacgc atgcttgaag gtgatgggct tgcagagaaa tgggaagcct cacaaagtgc 180
 tgacactacc aagtgcaaac cacaagaact ctcttcatca gataggtatt ctgacctcat 240
 tgatgactct tctttgttag tccaagccat ggaactctca agccctatga tgtgaacctt 300
 acggggcgga tcgcttgata caggctacga atatttggat gacgc 345

<210> 7507
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7507

gctaataata tgtcaaaact gccaacgaca cagggtatg ggtctgatga ggagtgaatt 60
 ctgaaaactc aatgttcttc tggctcggat atatnttggt ntgttttttt gataagcaaa 120

tgttttatac tttgttngaa cttatgtcac ttttttcagc ttggaattct tttgaattcc 180
 ttgaagagaa tgctcgacag cttgcgccct aggattgaat cccagttcaa gacatggngt 240
 tcttgcttgc cacatgttgg aaacacgaca cctgggtgag cgactagtga ggtgacagtg 300
 atgctgagag caaag 315

<210> 7508
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7508

agcttgctaa atggaagcaa aaaagtctat caatgggggg tagaataacc ctcattaatt 60
 cagtcttaac agctntaccc atctatttgc tgtccttctt caggatcctt aaacatgtgg 120
 tgcaaaagat tgtctctatt caaagaaact ttttatgggg aagtcacac gaggccaaca 180
 agatcccttg ggtgaggtgg gacacagttt gcctccctaa gagtaaaggg gggtaggga 240
 ttaaagattt gactaaattc aatgaggctt tgcttggcaa atgggggtgg gagctggcat 300
 ataatcagaa tcaaccatgg gccagaatt tattgtctaa atatggtgga tggaaggatt 360
 tga 363

<210> 7509
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7509

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatctt tcagattggg aatgcctcta acagcacctt tgtcaatgat tntcttcatg 120
 cctcttaagt gcagatgtcc aaatcttga tgccatatat tgacttcac ttctttggag 180
 actagacatg tggaggagta actggtttct tgagggtgac ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag gacttcactc ttctcatttg tcaccaagca ttctgactnt 300
 gtgaagttac attgagtcct tcatcacaca actgactgat gctgatcaag ttgcgagtca 360
 gtcccttcac cagcagtact 380

<210> 7510
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 7510

tacacagggga tcaactgcat taaccgcata accatatgag agcaatgact gtgacgcgaa 60
 cattgataat actattggac ggaaaagctt gttccaaacc ataggaggaa tcatttagtt 120
 tgcaaaccat aggactttga aacacttaag acaaagtgtg tctggaagca tcacatgaag 180
 tagcttcttc aatgtcacca tttagaaaaa caggcttaac atccatctga tgtagctcta 240
 aatcacaagg agctacaagt ggcattatt 269

<210> 7511
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7511

tctaaactnt gtacaagaat gaagctctga taccacttgt tttcaagtgg cctcagatat 60
 cttagaagg tggggttgaa ttaagatatt ccaaactttt ctcctaatta aaaatctatc 120
 ttactcttta cttagttat gaattccctt aatgacacat cttcttaaatt attaattcaa 180
 atgaagcaac ttgaattatg aatattaagc aataatcaat aaaggagatt aagggaagag 240
 aaaatgctaa ctcagtttta tactgggtcg gccacacct tgtgcctacg tccagtcctc 300
 aagcaaccgc cttgaga 317

<210> 7512
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7512

atatcggtgc tagcaagcag tatatcatcg acatataaca ccaagaatga gtatttactc 60
 ccgctaaact tgtggtatcac acaatcatca actgcatttt ccgcanaacc atatgaggta 120
 atgacttgat ggaacttgta atactattga cggaaagctt gtttcaaacc atagatggat 180

ttattagttt gcaaaccata atttgagtca ctttaatacaa agttttctgg ttgcatcata 240
tg 242

<210> 7513
<211> 416
<212> DNA
<213> Glycine max

<400> 7513

agctttctgc aggggaagcta agtgtgaagt atgcaatcct gcataggatt ggcaactgccca 60
actgggtacc caccaatcat acttccactg ttgccacagg tttgggtaaa tttctgtatg 120
ctgttgaac caagtccaaa ttttaattttg gaaactataa ttttgatcaa actattaagc 180
attcagaatc ttttgctgtc aaattaccca ttgccttccc aactgtattg tgtggcatta 240
tgttgagtca acatcccaat attttaaaca acattgactc tgtgaagaag agagaatctc 300
ctctatccct gcattacaaa ctgtttgagg ggacacatgt cccagacatt gtctcgacat 360
caaggaaagc tgctgcttca cgtgctgtat ccaaggatga tttgattgct gaactc 416

<210> 7514
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7514

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ctcgagacgc ttgaaattga ataccgaagc tctgagcaaa ttcaaacgac aataactctt 120
tactcggatg tcggattgag tcacgtaata tgtcaagacg ctcgaaatag aataccgaag 180
ctctgagcaa attcaaacga caatacctat tgactcggat gtcggattga gtcacgtaat 240
atctcgagac gctcgaaatt gaataccgaa gctctgagcg aattcaaacg acaataactt 300
tttactcgga tgtgcgattg agtcccataa tatgacgaga cactcggaat tgaata 356

<210> 7515
<211> 320
<212> DNA
<213> Glycine max

<400> 7515

agcttgatta tactgtagcg gcacctaggt ctctaggcgt gatcccggtt atatgtgtac 60
cctgcgtagaa agtggcatgc gctaagtctt gcacacagac tacaagccgt agacaacact 120
tgcaaaacct gtggtgccga cagagtgaac cttctcccat tagaggcgtg gcgctctctg 180
accactatac aagacggaga cctcgtttgc caactgcatt aacgaatccg tcaacacgaa 240
caccttgctg acgtaccgcc cgatgctctg ggatgctgct agaccatta ttgtcaagtg 300
gatgtcttgc acgcgcttat 320

<210> 7516

<211> 347

<212> DNA

<213> Glycine max

<400> 7516

tgtctctcaa cactacaaag ctattcacct ttaatccttt tgtaaagata tcttccagct 60
gcatttcagt gctgcaatac ctcaaacca gctgcttctt gctcaccttt tccctcagaa 120
aatgaaatct agtctcaata tgttttgatc ttccatgtgc tactggattc atggccaaac 180
tgatagtaga tttgttgtct acatacaatc taactggcct ctgaatttcc accttcaatt 240
attcaagcaa gaagtccaac ccacaaggct tgacatgtag catagcaaga tgctatgtac 300
tctgcctcac atgaggataa agccaccact tgttgtttct tggaaca 347

<210> 7517

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7517

ntagcaactc tttctttntg tttagtcaaa acctctaattg ctcttaattct ctctcatct 60
aaatcaacca actcatctaa catcattttc caataatggg cgattggaat gtccatttgt 120
ttttgtacct tggctgattg caaatgtatt tcgaccggaa gtacagcatc atgcccataa 180
gtcagtcgaa atggggtagt attagttgat tccttangag aatttctaca tgcccataga 240
acttgatcta acgttttatt ccaatttctt ggcttttggg caatgtgttt tttaatcaag 300
ttaattacaa tcttattggc tgcttcgaac ctgaccattg cttgcgcgta atatggtgtt 360

gagggttaata atcgaaagcc agtttttttg

389

<210> 7518

<211> 415

<212> DNA

<213> Glycine max

<400> 7518

agcttgtctt aaagaaaatg atagaccaat atttgtatct tggaattggc taattaaana 60

caagtggagt ggttcaaaat ttcaggtaaa gttatcttat tattttgaac ataatttttt 120

aatagtttta tgcttataat ataaaatcat ttatactttg atgtaagaaa gaagtttgac 180

aaacaaagct aatcgaagca agtaagaaat aaaatcaatt attggcacaa aatcaatcat 240

gccaaaggca tttgaaatgg taacatcttt taatatttta tattcatttt ttacaagtt 300

atataataat aactcttttt ttattttgcg aattttttat atgatatatg aaaggttggt 360

gaaatttata taaaggcatc atgccttaca ttatatatgg tttatattaa ttaaa 415

<210> 7519

<211> 400

<212> DNA

<213> Glycine max

<400> 7519

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ccaaagcaca gcttcaaatt tggccacttt agatttatca cgcaatcaaa taaaggggca 120

actgccagat tgttggaat cagtaaagca attactgttc cttgatttaa gcagcaacaa 180

attgtcaggg aagattccta tgtccatggg cgcccttggt aatatggaag ccttggtttt 240

acgaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaattgca gcactttatt 300

tatgctggac ctgagtgaat atatgttggt gggccaata ccatcatgga ttggagaaag 360

tatgcagcaa ttgataatct tgaacatgcy aggaaatcac 400

<210> 7520

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7520

tatagttatt ggagggagaa taaaacaatc caaatcaat tgtacccttc aagtaacgaa 60
gaattctttt tgcggctctt agatgaggag aggtaggagc ctctgtaaag cgacacacaa 120
ctcccaccgc atatagaata tcgagccttg tattggttag ataccttaaa cttcccacaa 180
gactcttaga gaccatggag tctaccttct ctcttctatc aaactttgat aacttcaagc 240
caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaaacatt 300
cttttttgta gctgtcttgt gagacaaaga taccattctc cgtttgcttc acttncattc 360
ccaagtaata tgacatgagt cccatatttg tcatatcana ttcacgagac atgaact 417

<210> 7521

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7521

tactaagctg cttacgtatc ttgttaatca attctgcaac ctcttcttct ctgatgagac 60
taagtgactg cacccttttg gggctcagaa gctcaaggac acatattttt cttttgtgtt 120
tccagctntc tccataggat gcaaaaccaa tgtcattaca tccatacagc aaggtttttg 180
ctgctgtggt tttgggtcgg ttgagaaag ttatgtcgtg agttttcatg atttcctga 240
ccgctctgag agatgaaacc accaaggctc gagtctgcc caactgcaac aacatcagag 300
aaccatgctt ttgtgagagg gttctaagag aatggatgg caatttgctt agttgatg 358

<210> 7522

<211> 308

<212> DNA

<213> Glycine max

<400> 7522

cgcttgagcc aattcaaatg acaataactg tttactcgaa tgtctaattg agtcccgtaa 60
tatatcgaga cgctcgaaat tgcataccga agctcttagt aaattcaaac gacaacaact 120
ttttactctg atgtccgatt gagtcccgta agatatcaaa acgctcaaaa tggaatgtgg 180
aagctctgag caaattcaaa cgataataac ttttaactcg gatgtctgat tgagtcctgt 240
gatgtatcga gacgctcgaa attgaatacc gaagctctga gccaaagttca acgacaataa 300

ctttttac

308

<210> 7523

<211> 347

<212> DNA

<213> Glycine max

<400> 7523

agcttctgta ttgaatttcg agcgtttgtt catataacag gagtcaatca tacatccgag 60

ttaaaagtaa ttgtcgttcg aatattctca gagcttccga attcaatttc gagcctctcg 120

atatattaca agacttcatt ataaatccga gtaaaaaagt tattgtcggc tgaatttgct 180

caaagctacg gtattgaatt tcgagcgtct tgatattatt aaaggactcc atgagacatc 240

cgagtaaaaa atttattgtc tgtagaattt gctcaaagct tcaacattac atttcgagcg 300

ttgcgatata ttaccggact caatccgaca gtcgataaaa aattact 347

<210> 7524

<211> 337

<212> DNA

<213> Glycine max

<400> 7524

gggatccttg agtcacctgc ggcataaagc ttcttacata gtccgccttt gctttatctt 60

ctttatgctt aaaaacagaa acattaggca taggcaaaag atcaagagga gttagtgggt 120

taaaaccata aacagcttca aaaggagaac aattagtggg gctatgaaca gctctattgt 180

aagcaaattc aacatggggg aaacaagctt cccaagtttt taagttcttc ctcaaaactg 240

tcctaagcaa agttcccaaa gtctatttaa caacttcgt ttgtccatcg gggtgtgggt 300

gacaagtgtg tgaaaataac aatttagtgc ccaactt 337

<210> 7525

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7525

agctntgcat accccgagga tccattatga aattacttgt gaaagagagc catgagggtg 60

ggctcatggg ccactttggg atagacaaga cccttgtctt actcaaagaa aagttttatt 120
 ggccccatat gaagaaagat gtccataagc attgcactag gtgtgtggct tatttacaag 180
 ccaagtctag ggtgatgcct catgggctat acacaccatt acccatctgc acccgtggta 240
 gacattagta tggactttgt ccttgggctt cctataatcc gaagagggtg agactctatc 300
 tttgtggtgg tggatagggt tagaatgata aaagtgggtg ataggaacta aacttctttt 360
 ctctaccact tgtcatccac aaactgatgg gcaaacaag gta 403

<210> 7526
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7526

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 nggatggtcg taaactatta atcttactta ataattcaat gttgctatca cctatctcct 120
 ccctagggga tttttgtttc ctaagctctc taaatttttg tttggctttt tcgctaacct 180
 ttagagtgcg tttggataaa gaattttaac tgaggaaagt aatttattag agaatttgaa 240
 cttctgtaat ttagaattca ttgtttggat gctttttatg aaanattaaa attttggatt 300
 ttaaacagaa tttaaact anaatctgga attcaatt 338

<210> 7527
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 7527

agcttccttg agaagctaga ggggtggggg acacacaccc ctccaatagc taagctcacc 60
 cctttgccaa aatacttgaa aatacaagaa agtctctatt acaaagacta cttaaaatgc 120
 cctaaaatat aaggctaaaa tcctatacta ctaaggtacc cttaacttgt agggcagggg 180
 gcccttaatt ttaggggtac cctacaaacc taaaaatgcc aaaatacaag gcccaaaaga 240
 aggaaaacct attctattat ttacaaagat aagtggctca tacttagtcc atgagcctaa 300
 aatttaccct aaggcacatg agaaccctaa ggctttctcc tgcacttttg gctcaatctt 360
 cttgtagtct tctatccaat gcccttaagg taggattgca tcatcc 406

<210> 7528
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7528

tatgctacaa acattataat agacctcctc agcaacttat ccaacaacaa cagaataatt 60
 atgacttttc aagcaataga tacaatccag gttggaggaa tcatccaaat ctgagatgga 120
 caagtcctcc acaacaacaa cagcttgtcc ctctttacca gaatgttgct ggtccaagca 180
 agccatatgt tcctcctcca caaaaaatac aaccaacaac tgaggctcct cctcaacctt 240
 ccttagaaga gttagtggag caaatgacca tccaaaatat gcaatttcag caagagacaa 300
 gagcctncat tcagagtctg acaaatcaga tggggcagat ggctactcag atgaatcaag 360
 cttagtccca aaattatgac 380

<210> 7529
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 7529

tgtaagggct tgggtggcaa atgatagtga gactcaactt ggataccaac cttgtgctac 60
 aacaattgca acaagacca ccatccacaa tatgagaaca atttttgttt aaaaccttgt 120
 atcttgtatg aaagatgttc tctctttggg tttggggttag gtcacaggat tgactcccaa 180
 ggagccttct caccattaga agatcacctt cttcaatatt ctcatcacc ttgggtttcac 240
 cctcacttcc acttgaggaa ggagaagaag tttcctcctc ttgggtacta tagatgtctt 300
 gaccctcat gatcatggtt ttctttgtgg ggcattgaga agcaatttgg cttttcccaa 360
 tacatttgaa gcacttgatg ttactagtgc tatctt 396

<210> 7530
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7530

ntaagaaaag tcaaacgaca ataactttta actcggattt ccgattgagt cccgtaatat 60
acgagacgct tgtaattgaa aatagaagct ctgaacaaat tcaatcgaca ttaacttttg 120
actcggatgt ccgattgtgt tccgtaggat atcgagacgc tcgaaattaa aacggaagct 180
ctgagacaaa tcaaacgaca ataactttta ctcggatgtc tgatcgagcc ctgtaatata 240
ttaagacgct caaaattgaa acggaggctc tatgaaaaga caaacgacaa taacttttga 300
ctcggatgtc tgattaagtc ccgtacgata tcgagacgct cggaattgga aacggaagct 360
ctgagacaaa tcaacgacaa tacttt 386

<210> 7531

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7531

agcttgtag cttgatgact tgtcagaatc aatttggtga ctagcatcaa atcagagaat 60
taaacctgga catcttttag aaatgcttgc tgaattaaga caggcagaaa tctagtgtct 120
ccatttgga caaaaaccca ttctttgcag catataatcc aaaaaaaccc atgagactga 180
gtcataggcc ttttcaaaat ccaccttgaa aaccatagct ggccttttgc ttctacaagc 240
ttntcaatc acctcattaa gaactagat gccatgcagg atgtgtctgt tttttatgaa 300
agctgtctgc ctctcatcaa taagaccaa tatcacttgc ctcaatctat ttgctaataa 360
cttagctatc accttgatca tacat 385

<210> 7532

<211> 202

<212> DNA

<213> Glycine max

<400> 7532

tccattgctc aatttcgagc atctcgatat attatgcgcc ttaataggac ctccaagtga 60
aaatttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120
atattatgca cctgaatcgt acctccgagt taaagggttaa gaccatttga aaatcttaga 180
gcttccattg ttcaatttcg ag 202

<210> 7533
 <211> 371
 <212> DNA
 <213> Glycine max

 <400> 7533

 atattttcaat ttttattaaa ttattgcaat aagaaggaaa tgttttgtaa aaataaatac 60
 tactaaaaat tctattatta atataattaa tattgatgtt atgaagatca attttctcct 120
 atattttaata ccattaatta ataattaatt tataggatga aatatttaca atgttatcta 180
 attattttatt ttattttttt aaatacataa ctacacattaa attaaaatta tgacagtaaa 240
 aaggtgttct cttattgctt ttagaatttt aggtttgaaa ttatatcgac ttaataaaaa 300
 tataacaaat ttaatatatt gctgaaacta atttcccgta ttccttacac actttggtat 360
 agaaactttt a 371

<210> 7534
 <211> 365
 <212> DNA
 <213> Glycine max

 <400> 7534

 ttatcaaagtg gatttaaaaa gtgcattctt aaatggcttt attcaagagg aagtatatgt 60
 agatcaaccc cctagatttg aaaactcggg caagcctaata catgttttta gattaaaaaa 120
 ggcgttatgt ggcttaaaga aagcccctag ggcttggtat gagcgtctga gtaagtttct 180
 tttagaaaag gatttcttag aggcaaagta gaactactct tttcataaag agaaaattac 240
 atgatatttt attggtcaat ttatgttgat actattattt ttggatctac taatgaatta 300
 ttggcaagga attctctcat gacatgcaaa atgagtttga aatgtcaatg atgtgagaac 360
 ttaat 365

<210> 7535
 <211> 241
 <212> DNA
 <213> Glycine max

 <400> 7535

 ggggcacgaa atttatgcct caaatgatgt atgaactttg aagtgttaatt tctcaaatga 60

tcgaatttga aaaattgcac acacaagacc tttatttata gcctaagtgt cacacaaaat 120
 tggaggaaaaa tttgaattta cttgaatttg aatttgattt gtggagccaa atttgaacc 180
 aaaatttcac tattatgata gtgaatttca gctatggttt agcccactaa tccagatcaa 240
 g 241

<210> 7536
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 7536

ttatcataga ttggcatgtt attttctttc atttgtgagc cctaaagttt ggggtatgtg 60
 aattttgtga atttggttgg tcaaggccct caggtcattg ttgtaggacc tactgattct 120
 ggaaagagta ccttgctgag gatgcttctt agtagggcag ttaaacaagg gtggaagcct 180
 acctttggtg atctggatat tggccaaggg tctataacaa ttcctaaatg cattgccgcc 240
 actccaattg aaatgtcaat cgatcttggtg gaaggcattc cacttgaaaa gcctcttggt 300
 tactattatg gg 312

<210> 7537
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 7537

ttcccccatc gccacgaag tcacgcacct cttctgggtt tcctttcaaa ttcacgcaga 60
 cgaagaatac aatgcaactg tcaacaaaac catgctactc aaccttctaa ctgccctgaa 120
 atctttcacg acatcccggt tggcccatgt aacgggccaa accggaacca aacactacat 180
 gggcccagtt ttogaccggg ttacttcacg caacttatct ggcaccaccc accctttgac 240
 gaaaacatgc caccggtccc ttaacaaact tctactacgc gctcgaggac ctggatgctt 300
 cttagcgccc togtgacgt ac 322

<210> 7538
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 7538

actcagcttg atgatttcta tggcatatga acaaccttca aaacatccat tggcatcttt 60
tcgtttcaaa tgggtgtacaa aaacgtgtgc tatctaccaa tggagttaga actaaaaact 120
cattatgtga ggattgatgt gccattatth tctctatth cttaaccctt tttgcaccat 180
tttaattact gatttgtctt aattggtata ttaattatgc atttttatca tttgggtcta 240
ctggattaat tttgtgtttt aattaatttc acgagaatta taagcaattg ggcttgaatc 300
caaaattggg cttagacttg aagaaagcag actatthtat tctaccaaht tttatcttat 360
cttgatttta tcttatctaa atattattha aaattgatct catctagata ttatttcac 420
taahtctatc ttaactaaaa ttatttatth at 452

<210> 7539

<211> 475

<212> DNA

<213> Glycine max

<400> 7539

agctttctat ctcttcttta ataaagattt ggtggtagag accccaacta gtggttctgt 60
gttaacttct aatgtgtgtt tggattgtcc tgtggaagtt tctggtaaaa taattatgat 120
tgatctgatt tgtttgcctt tgagccaaat tgatgttatt ctaggaatgg actggttatc 180
ttccaaccat gtcttgtaa actatthtga taaaactatg gtgtttgatg gttttggagt 240
gagtaaagat atgatgttca tctctaccaa ccaagttgtg tgatgaggac atgaccaaga 300
gcaagggcaa ggatccactt gaaggacttg gaggacctat gacaagggct agagcaagga 360
aatcaaaaa agctcttcaa caagtgttgt ccatactatt tgaatacaag cccaagtttc 420
aaagagaaaa gtccaaggtt gtgagttgat gagaatcctg aaactggcca aatac 475

<210> 7540

<211> 608

<212> DNA

<213> Glycine max

<400> 7540

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cccagacatc gtcattaacc tcccaccct ctcacaacac ttcagcagcg cgtaaagctt 120

atcagctacc ctaatctcat tagtagaaga atcttaggtc tgggactgat gttgagactg 180
 cttggaaaga tggaaaaggg tgaaggatat ctgttataat tgttataggt ggaaaaaaat 240
 gctaaaatta atagaattta tgtgcaatca gctttttttt tcaaaggata catattgtcc 300
 agtcagggtat attatctact ctactgtgct catctttatc aaacagaaca tgaaactgca 360
 attttaagtg agaaaggcca cgaatatatt tccaaacaca tgggcaaaca ttgtatatat 420
 ttcataaaaa ttatcgcgta taaaaatgat tgtcattaga gtggtcgtaa ataacaggaa 480
 ttctgatccg ctgatattat gtataatatc tatgaacaat acaagtgttt aaaaaaatat 540
 taatgatgct agtattaaaa tttaaaaata ttactgtctt ttatcatttg attaattgatt 600
 ttcaatcc 608

<210> 7541
 <211> 543
 <212> DNA
 <213> Glycine max

<400> 7541

agctagactt accgctgatg atgctgctat gatttcagcc tcaacagggg attgtgctac 60
 aatctcttgc ttctatgtgc accatgagaa aacccctaag cctaggctga aacagtatcc 120
 taaagtgtc ttcatgtcat caacagatac aacccaatca ctatcagaga atccatacaa 180
 cttgaattct taacacttct taaatttgac accataatct acaatgcatt tcacttgcac 240
 agtgcacaaa acgagacaag agacttacaa caaatagagt gtctggcctt gttgcagtga 300
 gatacattag acatccaatc aagctcctat aatatccttc atcaatttta tcagcaccat 360
 cttgcttgc gaacttctcc ttttgattca taggggagct aacagatttg cattactccc 420
 atttgaaaac ttcttttaaaa tttcttttgc atatttcttt gacagaaaaa cactttgttc 480
 taactttgct tgatctcaaa tttcagaaaa taagtcatga gaaccagatc agtcttttaa 540
 aag 543

<210> 7542
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 7542

ttaaagatat tcaagatgga ttttcattac agtctataaa gtcttagaaa ggatatat 60
 aataggaagg gaattcccat tgaagtaaca aaaggtttgg ccaagaaaaa taagttaaaa 120
 agtcttttac aagaaattta ctctcttggtg atcgattacc aaaggatgta gtcgattacc 180
 agtggccaca acttgattta cacagctatt aaaatttgaa ttcaaaat 240
 atcgattaca catatatggg aatcgattcc caccgtttct gaacgtttta tttcaat 300
 taagcttgta atcgattaca catatactgg aatcgattac caaacagag tttcagagaa 360
 tattctcaac agtcacatct ttttatgtgg ttcttgaatg gctatcaaaa gcctatatat 420
 atgtgacttg ag 432

<210> 7543
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 7543

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 attagttatg ttttaagtat ttggtactta gttaattatg actgatcttg gtgtctttat 120
 tttgcactta gatgcttatg ttttatactt agacttggtt attttgtgat atatgactaa 180
 gtggtttgca tctcaatttg gttttattaa aattatgctt tatgtatggt tttagaatct 240
 tttatgtttg ttttaciaat tatgctttgt gtatgattaa attattcatg ttttacgcac 300
 tttggcctat ttgatgttgc caaaggggga gagaaaatgg gtattttaga aatcaagata 360
 ttatattttc aaagctttta aattaagcat aaattcaaaa agaaaggggg agaaagagat 420
 tagtgaactg tataacaaaa cttgtatgta ttctcttgat ttcaggat 468

<210> 7544
 <211> 525
 <212> DNA
 <213> Glycine max

<400> 7544

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 atcagcaact tgaatgtcat ggattgagca aatgttacia tgagtaccat tgttggtatg 120
 attttttttt tcaaccattt ttctatactt tactattgct atttaataag caaatgcatg 180

tttttctttt catttgtaca gcatgttcta ataatatat ggttggcttt gtaggtgggg 240
 atgggggatgt ttatagtcca agatatttgc ttccaaaacg gtagggcca cgtagaaatt 300
 gcaagtagta gctctctact tatgcataga tatatccatc ataaaccgtt gtggcattct 360
 gggttaacaa gacattcttt attccaatgg aagagacaaa tttattgaga ctccctttatc 420
 aacaatacca ctgattttat ctttgaaacg tatttggtgt gtttcaaaat tatctttgga 480
 gatgtagttg ttgttttaat gggacttttt aagtcgccat ggtaa 525

<210> 7545
 <211> 484
 <212> DNA
 <213> Glycine max
 <400> 7545

tcacgatata ctacgggaca caatcggaca tccgagtttt tattattgtc attttaattt 60
 tctcagagct tccgttttca attacgagcg gctcgatata ttacgggggtt gaatcagaca 120
 tccgaggaaa acgtttttgt cgtagaatt tgctcagagc ttttgttttc aatatcaagc 180
 gtctcgttat attacgggac ttaatcgaac ctctgagtta aaatttaatg gggtttgaat 240
 ttgctacgag cttctgtttc caattacgag cgccctgata tactacggga cacaatcgga 300
 catccaagat ataagttatt tttttttgcg tttgctcaga gcttatgttt tcaattctga 360
 gcatctcgat atattacgag acacaatcgt acatccgagt aaaaagttat tgttggttaga 420
 gtttgaaaag agcttatgtt ttcaattacg agtgtctcaa tatattacgg gtcacaatcg 480
 gaca 484

<210> 7546
 <211> 479
 <212> DNA
 <213> Glycine max
 <400> 7546

tctggtgagg catcttgact tgctgtccaa tctgacattc accacagatt ctgccttctt 60
 ctatttccag attgtaggac ctcggttggt gtcttatctc caccataatg gccgccacat 120
 ggtgagtagg gacaatgcca taatatgttc ttggcctcct cctttgtcac acatcttctg 180
 agaagattgt cagctcctat cttgaacaag tatggatcat cccatatgta agatcgagca 240

tcattgaaaga atttatttct ttgctggcaa gtcagggtact tccgaatgat tcccgtctgt 300
 ttgaagttgg ccaaatacacc aaaccaaggt ctttcattca ccatgaacat ggattcatca 360
 aggaattcat ctgtgattta tgcttctttt gaagtgactt actcaataac caatcatgat 420
 aagtggcacg ctacaacata ttcaaaatcc tttttatctc cgataaccaa atcaaattc 479

<210> 7547
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 7547

agcttatata taacaactaa aatataacta aaaatttaaat taaaatatct gtcgattttt 60
 ttttgattaa aatatattga tagtgtaaag ttgtttttta aaattatttt aaaagttgta 120
 ttttttggtta catagcatga aacttaaagt tatattttaga ataatttttg aagcgataaa 180
 aaatgattat ttttctttat agaaaatgag tcgggtcaca taaatattta taaaatttga 240
 cagttgcact gtgatattgc atatagtagc tttttaaccc agtttaatta tttagatttg 300
 gatgtggtcc tctgatttcc aagaccact gtattgtttc cctttgtact cttctccctt 360
 ataacctgcc tgcctttttta tttttaattc caaccattta ttattaaata gcgctccccc 420
 tccccatttt ttttttc 437

<210> 7548
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 7548

aattattagt gtgggttggg tgttgaattc tggttggtacc tgggtcggag atgatggtac 60
 agcgggtgaa ccataagctg aagtttcttt tggtgaggta gccctggaaa agcagagcgt 120
 ttggaatgat ttcgtaaatc tcagagaact attgggaaat gctggtgaaa acacgaatgt 180
 cacgaaaata taaatttgaa taacgaatgt acagggccgt gtgaagcaac ggtcgaatat 240
 gccttggttc agtagtgaac gcgctattaa tgataagtga ttcgtttggg cacgttcaga 300
 tatcactagc tgctacaatt actctagcat acaaatgccc agcttgcccc tcatattttc 360
 aaactgattt gcattccacag cctttgtgaa aatatctgct atttgatcct cagtggcaac 420

atgcttcagt gcgatcactt tat

443

<210> 7549

<211> 555

<212> DNA

<213> Glycine max

<400> 7549

agcttgtcag gttcagtttc aattaagctc ttggggcatc ctatggactg agcgaaaagg 60
ctcgggtcat caaatactgc acatctttta aagcacaaaa cgaggatcgg aacctcaacc 120
ctacgttctt tttaaaagac tgcaatgaga aaattacaga ggacaggaat ccctagggga 180
aaccaagaag aacacacaaa aataaaaaca tgcagcgact tcctcaattg cccagatct 240
taagcatatt atcgcttgac aacgtcggag ttcacgggtg aaggtagctc ctcgatcc 300
atgttggcga gcaccagggc ccctccggag aaagcccttt ttacaatgaa aggcccttca 360
tagttcgggg cccactttcc tctgttgtct ttcagagctt gggaaacttt cttcagcacc 420
aagtcccctt cgtgaacct gcgcgagcat acctcttgctc aaaagcgttc ttactcatt 480
ttttatataa acgcccgtgg ctcatggtgg ccaaacgctt gccttctatg agattaagct 540
gatcgaaacg tgcct 555

<210> 7550

<211> 458

<212> DNA

<213> Glycine max

<400> 7550

agcttcaaag gtctctatat ggctgattt ttgctaatag agcatggttt gcaagattat 60
catcttttct gatctcccat ggatacaagc aatgtacttc tgaccattct tttttcatta 120
agcatggttg caacacaatt gttattttgc tggtttatgt tggtgacatt gtcttgacag 180
gcaatgattt gtctaaaatt caaagaatta caaatctact tgacaatgct ttcaaaatta 240
aggacttagg agactttaag tactttctgg ggtttgaggt agctagaagc tctattggta 300
taaacttata tcaaagaaag tatgcactgg acattctcaa taatgttgac atgcttggtt 360
ctaagccacg ttctacacct tgtgattaca cccaccaaca tcaacactca tggtcaccta 420
ttttagcaga agatgtttcc tcttatagga gattaata 458

<210> 7551
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 7551

tgaatcttct accccatttc tgacagacaa tgggtgtggt caccttaagt ggctcctaag 60
 aagacatgcc tcacagtgat taagaatgag aagaatgagc ttatccccac aagagtgcag 120
 aacagctggc gagtctgcat tggttatatg aggctgaacc atgtgaccac aaaatatcat 180
 tttcccctgc cattcattga tcaaatgctt gagcgctcgg caagttagtc tcattactat 240
 tttcttgaag ggttttgtgg ttgtttacca agtcatattg ctcttgagga tccagaaaag 300
 agcatattct cctggtcctt taacgctttt ttctattaga ggatgccctt tgggcatgc 360
 gacgcccctg 370

<210> 7552
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 7552

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 attggaggct tggcttttac aaacttaatt ggacatttgg tgaatatgga aataacaggg 120
 gaaactgggt caacccaaaa tggggtaagg aatccctttt ccttgagcat cgatctagcc 180
 atctccataa ctgggcgaat ctttcttttg gacacttcat tttggtgaag agaatatgcc 240
 actggaagtt ggctcttaat ggcttcatcc ttaccaaactc tttcaaactc gcgagagggg 300
 gactctttgc cgctatcact tcttaatact tttatccatt ttccactttg attt 354

<210> 7553
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 7553

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 gctatTTTTG tattcattgt aactaacgga gattctaaat ttccacttaa tatgtgaagt 120

tgtacctttt ctgagacctt attgctacta ccatttagta gctctggtgc catccaaggt 180
agagttccac gaacaccacc agacaccaag gtatttcgct taatctttga taggccaaaa 240
tcaccaacct ggtgaaaagc aagttttctta gctttatcac aatgaagaca atgtaataga 300
atgaataatc cacagcttga aaagatacct tgcataattgg ccgcatagga tccttcaagt 360
tcacgagcaa attgtcacat ttttaagtcaa aatgcacaat atttttcgag tgtgaatatt 420
ccattccaaa agcagcatcc atggcaatta tcagtctc 458

<210> 7554
<211> 558
<212> DNA
<213> Glycine max

<400> 7554

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tgagtagatt gatactttta agacaacctt agccaaattt gttggagaaa cggaaaatct 120
taacaaattg gaacgatatg gaagatgtcc catagacaaa tctgggtcatg ggtatgaggg 180
acaaatgcat gtgaagtttg tcaaaacaga aaacaagtta aaagttcctt ttctagcaaa 240
aatatTTTTT cctcctcaag accttttaga ttattacatc ctgatctgtt tggcccaact 300
agaacaacct cagtaagtgg aaaaaggat agactagttg cagtggataa ttactctaga 360
tggacctaga ttttgttctt agcccacaag gatgagtcct tcaatgtctt ctttaaattt 420
tgtaaaagag ttcaaaatga aaaaagaatg tgcattactt caattagaaa ggacaatgga 480
aaagaatttg aaaatgaaaa tttttcacta ttataggagg atttctatgt gtcttgaaat 540
tatgagctac tcaactcat 558

<210> 7555
<211> 621
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7555

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tccattccc ttctttacac tcaactcatg taaaaacaat tgaggtgttt cgattaaaga 120
gaacttcaga tttctgaaaa ttaatggatt ggcctaggcg ttgccattct tcattgtttg 180

ctctaaagaa aaggatagag tcatgtaaaa caaatcttc aaggatgctc ttcagcttta 240
gacattcttc atcatttgct ttaaagaaaa ggaaacagtc atctctgaag agtagatgat 300
agatactaag ggcacttatg tagattttta ccccatgaat acaacctcta acttctagtg 360
atttgattaa tgtcaataag cccttattgc aaaggatgac gaggtagggg gacaaaggg 420
tcccctatct caaccgtga cctatgacga taggcctaac cttctcacta ttaactatga 480
gtgagtagct cataaattca agacacatca gaaatcctcc tataatagtt gaaaattttc 540
attntcaaat tcttttcgat tgcccttct aattgaagga atgcacattc ttttttcatt 600
gtgaactctt tacaaaatta a 621

<210> 7556
<211> 509
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7556

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aataatccta gcattgctct agtttcacac ctccacagtg aaaactacaa ttcttggaag 180
aaagcaatgc gcatggcacn ttacgggaag aacaaatatg agtttgctga tgggtcaatt 240
cctgaaccta ctttgggtca ctccacccat gctttatggc atcgcaatga taacattgtc 300
tcatcctggc tccttaattc gttatcaaag gagatgcaag tgagtatctt acactgttct 360
tttgccaaag caatttgatga tgatctcaca gaacgtttcg aacaacgtaa tgggcatttg 420
attttcaact taagcctgaa ttgatcactt tgcaacaagg gtccatgtct ggttcttcct 480
tttactccaa gcttcgttct ctctgggag 509

<210> 7557
<211> 497
<212> DNA
<213> Glycine max
<400> 7557

gctttttaac aaaattttca gttttgtttt ttctacgttc actatattta tttattggat 60

taggttttca caacacgtgt caaattggac tgatttgcca ttctgagaga ctgcagcgct 120
ggaagtcaag aatgagcttg atttcaagaa taaggcatta tttaccaat gtatagacaa 180
cctcttcatt cgacagtagt gtaacttaaa atcatcaagg aggtccgggg ctttactgat 240
ttaggtttga aggaggcaaa ggatttagtg gaaaaagctc cttccgttat aaagaaaggc 300
gtttcaaagg aagaagcaga gcaataatag agaaaatgaa aattcttggg gcaaaagggtg 360
ttatggaatg aagtgatata ttttgtttct tcccgtttc aatatttttag ttggtagaaa 420
aatttggtt ggtgaccag gatactactt tgctagtgt gtgttaaatt tttttttaca 480
cgaactggaa tttgatt 497

<210> 7558
<211> 514
<212> DNA
<213> Glycine max
<400> 7558

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ggatccctgt cagatacaat actagaagga attccatgca acctcactac ttccttgatg 120
tacaactcca ctagcttctc cattctatac ttcataattca ccggaataaa atgagcagat 180
ttggtgagtc gatctactat gaccacaca gcatcatgtc cagcactagt cttgggtaaa 240
ctagatacaa aatocataga tatgctctcc catttccatt ccggaatttc caatggcttc 300
aattctcctg atggtcgctg gtgctcaacc ttagcttttt gacatgtcaa acatcttgc 360
acatattcag ctacatcttt cttcatgcca tgccaccaa aatttctctt caaatcttgg 420
tacatcttag tcattcttgg atggaaacta agacgacttt tatgcgcttc ttccaagatc 480
ttaactttca aatcatctaa atatggcaca tata 514

<210> 7559
<211> 493
<212> DNA
<213> Glycine max
<400> 7559

tatgaatatt tcaagaaaga cattaaaact ctattccttg tatttgttct tatgctttta 60
tatgttgaga tttgatagt ttggatcatg aaaacttgtg gtgtgaaaag tctcatgatg 120

thtagataaa ctatgtgaga gttcatgtga ttggtgataa tgatatgaat agtgaattga 180
 tgaagaattg agcaagatgt gagtgatgaa ttggtgataa gttgaatgag atgtatgacg 240
 ttgatgtcgt gttattatca tataattaac tttgttttac aaactaatat aaaataatta 300
 tatgttatgt tgagtaactc tatgtacatg aagaagaccc ataaatgcta atttgtgaag 360
 tgatgataca tgtatataat tattgtggta agagatgctc ataattatgt ttattgatgg 420
 atgtcttaca ttgtgtttat tgatttctcg atgatgatat gagatgtggc tgagatgatt 480
 ttgttttatt att 493

<210> 7560
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 7560
 atatcctgat gaaggtgtcc atatgttctt tttactggac taatacattt gctacccaag 60
 tttcatggtc ttgcaggatga aaatcctcat aagcatctta aggagttcca tattgtttgt 120
 ttcacatga agccccctga tgtccaagaa gatcatatct ttctaaaggc ttttctcat 180
 tctttggagg gagtggcaaa agattggcta tactatcttg ctccataggc cattttcagc 240
 tgggatgacc ttaagagggt gttcttgggc aaattcttcc ctgcatctat gaccactgcc 300
 atcagaaaag acatt 315

<210> 7561
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 7561
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 gaattctttt tgcggctttt agatgaggac aggtaggagc ctccataaag cgacacacaa 120
 ctcccaccgc atatagaata tcgggcctcg tattggttag ataccttaaa ctcccacaa 180
 gactcttgaa gaccgcggag tctaccttct ctcttcatc aaactttgat aacttcaagc 240
 caccttccat aggtgtgttc acgggattgc aatcaagcat attaaatttc ttcaacactt 300
 cttttgtgta gcttccttgt gagacaaaga tcccattctc cgtttgcctc acttgcattc 360

ccaagtaata tgacatgagt cccatatctg tcatatcaaa ttcacgagac atggactcct 420
tgaagtctgt caacaaattt gg 442

<210> 7562
<211> 515
<212> DNA
<213> Glycine max

<400> 7562

agcttgtagg gttaaagtct cacgattggt acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catctttcca aacaaagtca ggtagcgat aactcgctg tgctttttct 120
tccatgctat atttagcaaa gtcattgatc cagtcagtgt tgttgagttg gaaaatgagg 180
ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacagt 300
ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
gtccataagc atctattggt gagaggtaga ttgcagaaga agccattgaa ttttgttcag 420
aatacttaga gaaggctaaa cctgttgggc ttcttgagtc tcggcatgat gacagaaggg 480
ggggtaaagg ttcaagaaga ctgcatgtga tcaact 515

<210> 7563
<211> 304
<212> DNA
<213> Glycine max

<400> 7563

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acctttttta atgtgcttga ataaatattt gatggacatt gattgattgc accattctat 180
gttgaggtaga gcctgatatt tcaacaataa gattggattg tatggtagca cgtatctatt 240
gtctaggggt attccatttt tatctatatt ttactatcat tatgccttct ataataggat 300
attc 304

<210> 7564
<211> 598
<212> DNA

<213> Glycine max

<400> 7564

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acctggagat atgtctcggg ggtcaagaga ccttggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcgggtcag tgagaacctg 180
tgatgtacct aagcaggcga gctcctggca gtcaacagat gaaaggaaaa cgagaccact 240
aagcaaggag gcttgtgggt gctggccagc tgtgaattct gtgtaatatg tggattgtgg 300
cctctggtaa tcgattacca aggggtgggt atcgattaca aggcttataa atgaagacag 360
gaggctaaga tgggtctctgg taatccataa ccaactgggcg tgaaactgaa gaaagagcgc 420
gaacttcggt cttagctgaa agaatacaca cagtaggttg cttttttgat tttcatgaaa 480
ttacaacctc tctagaaac acacatgaac cagatgttca cctgcatgtg tctaaacatc 540
ctccccaatc agcatttgca tatgcagata atttgaagga gtttcttgct ggaaaata 598

<210> 7565

<211> 514

<212> DNA

<213> Glycine max

<400> 7565

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aactaactcc atctttttca tacagctgta atacccccct caagttggag agtaaagtgt 120
aatgagtccc aacttacggg taaaagaaga gaaagccaga agcattaagg gctttgtgaa 180
gatatctgca acttgatgtt ggtatttcac atgaacaagc ttaaggggtgt ttgactgcac 240
taactcacia atgaagtgat aatcaatatc aatgtgtttg gatcgttcat ggtgagctgg 300
attagatgct agactaattg caaatttgct atcacagaaa agcatggtag atttgatgga 360
aatctcaaag tgcaggagta atcgtcttat ccaaattact tcaattgaaa ctgaggaaag 420
agctcgatat tctgtccttg ctgaatattt agacacagtg gtttgctttt ttgatttcca 480
tgatattaaa acatctccta gaaacacaca tgaa 514

<210> 7566

<211> 530

<212> DNA

<213> Glycine max

<400> 7566

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ctccaagtga tctcccattt ctacatcaaa tggttcagat tgggacccat tctgcatgtc 180
tatcaattca ccatgccata tccacgctgt ataattcttc ttaatcccat cacacaacag 240
atgctctcgg ttgtcatgca atatttatcg tatcccatc aaacaattta tacaaggaca 300
caaaaatttt ccatccta atccagatgact tctttcgaag gcaaattgca agaactcttc 360
gacgccttcc ttatatgcaa ggctcatgcg acttttgttc atccaacttc gatccatcta 420
aataataact ctgtgatact cacaaaagta ttcgatgcat gaaaatatcg ctattttatt 480
ataagtgtgg ccctatccca ttgatgaaga cattttttta tggtagcttc 530

<210> 7567

<211> 586

<212> DNA

<213> Glycine max

<400> 7567

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tttttttcac tttctttgtc ttccttattt tgaattattt tcaaaagata caagaccccg 180
ataaaattta gaaaaataa agaatcgagg taaatagaaa aaaataagaa cccaaaaggt 240
catttggcct tttttggtta actttcataa ttaaaagtta gcttttataa gacaacaata 300
tgtaatttta acaaaatagt aacttttgtc atttgaacat aaggtaatta tattctataa 360
ctatctacct tgtaatatgg ttacactaa acatttgata tgattaaaac ttatcatatt 420
cttatgatat caaattttta tcttcttctc atatcctatt atactttatc caccaaata 480
gttattagag taaatgttgt atacaaacgc ctaataagat tgtatcatta tattatcaaa 540
taggtttgac aatataaatc tttaagccaa atgcattact ttttga 586

<210> 7568

<211> 576

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7568

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tattgtgata aatataaatt tataaaaaaa attccttgat gccttaattg ctttaattta 180
tggcatacaa ataaagaaat ttcttcaatt acttaaatat aattataaat tttggttttt 240
cgatgaaatg tgaatattct cacaaacttt ggcccaaact acttatcggt ctattttatg 300
atccatgtca tacttaagtt tttttttacc tcttaatatata ttacatagga ttaaattaaa 360
attcttttat ggccctaata tatgagagta ctgatactta atcctaataag acaaatacaa 420
ctaccgaggt aaatganaga gagagaaatg agggggccaat taagaatata ccccaaaaga 480
aatttgcatt atgaagaaac aaaactaaag aagaagcaaa caataacttaa atgaatgcta 540
gacatgcaag tttccttgct caaacatcaa gtaaac 576

<210> 7569

<211> 467

<212> DNA

<213> Glycine max

<400> 7569

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gctagggcca tgtactctgc ttcagttgtt gctctatcaa aaactgattg ttgatttggt 120
ttccaattga ttgctgtacc aaacaaagta aacacatata ctgttaaaga tttccttggt 180
tttacatttc ctgcaaaatc tgcacttaca tagcctgtga ttgctgcctc atgtgttgct 240
ttcttgtagc ttaatccaac tttcaaagat ccatttagat accttagtgt ccacttcaca 300
gttccttagt gtgcactgcc aggatctccc atgaatctgc ttataatact tacaacatga 360
gccaagtcag gtttgctgca aaccattcca tacattatgc ttccacacc actggcatat 420
ggtgtttgat ccattttaca ctttttttca gctggttttg gtgcttg 467

<210> 7570

<211> 389

<212> DNA

<213> Glycine max

<400> 7570

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aactcgcctt ctaataaatg gaaggacttg cttgcttcat gtgaaatgag tacatttgta 120
ccttacctat gttcattctt ccaagaaaag atgtcttttg acttgtaagt aactgggcgt 180
cttctactat gatctttgaa ttaaaaggaa gtgaaggaaa tttcatgacc ctatattata 240
tatataattg ctgctcagaa tcttatatca ctatatgttt gaaacttttt atgtttggaa 300
aacagcacia tgactagttt acacaatctt gcaccttaac atgtatttgc acaatctgaa 360
cttggtgaga tataatggga attttattt 389

<210> 7571

<211> 406

<212> DNA

<213> Glycine max

<400> 7571

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tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttc 120
tggcttcagc aggagttatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagttgttct gaaatctgat 240
gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagttg tctaatacct gagatctcct tctgatggc tgtggtcctg gaagcacgga 360
aaaaattttc taagaatact ctcttaaggt catccccact cgtgat 406

<210> 7572

<211> 457

<212> DNA

<213> Glycine max

<400> 7572

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tgtattcggt taaaatgcat gaagatagat cagtaggaga acaattggat ttgtttaata 120
aactgattct agatcttgaa aatattgatg tcaactatga tgatgaggat caagctttat 180
tattgttgtg ctctttgcct aagagttact ctcatittca agagacttta ttgtttggaa 240

gagattctgt ttctcttgat gaagtcagg ctgctctgaa ttcaaaagaa ttgaatgaaa 300
gaaaggaaaa gaagtcattt acaagtgggtg aagggctgac agcaagaggc aagaccttca 360
agaaagatag taaatttgat aagaagaaga aaagccagaa aatcagaaga atgggtgaacy 420
aaacatcttc aaaatcagat gttattactg taaaaag 457

<210> 7573
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7573

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aagttattgt cgggttaatt tggctcagaa ggttcaacaa tttcaatttc tagcggctcg 120
ctatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt taattggctc 180
aaaggttcaa catttaattt cgagcgtctc gctatattac gggactcaat caaacatccg 240
agtaaaaagt tattgtcggt tgaattggct cagagcttca acattcaatt ttgagcgtct 300
cgatatatta cgagactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
tcacaggttc aacatttaat ttcgagcgtc ttgatattt acgggactca atcagacatc 420
cgagtaaaa 429

<210> 7574
<211> 468
<212> DNA
<213> Glycine max
<400> 7574

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ctatgcaagt tgaaagcctt ggaggaaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgggtaaac tttatcagag agaaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagagaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga atttgaaaac agcagggtca ctgaattctg cacatctgaa ggcactctc 300
atgagttctc tgcagccatt acaccacaac agaatgggat agttgagagg aaaaacagga 360

ccttgcaaga ggctgctcgg gtcattgcttc atgccaaaga acttccctat aatctctggg 420
 ctgaagccat gaacacagca tggtacatcc acaacagagt cacactga 468

<210> 7575
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7575

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 tggatggagc cattcttttc caactcattt taccatgtat gaatgaacag tatggaaagg 180
 attatgaata tgaagctcca gtcaagcttt tggataaact gctgcattcg atgccacaat 240
 caccggatga acaacttggt gtggtctctc aggtatgctt tctctcgggc tttctttctg 300
 ttgtttctcc taaggacctt atgatgtctg attaactttt tgacacatta aagggtgctg 360
 tggctgatat caacattgga tatgaagata ttgntaacac ccaagggtgg aatgggtatg 420
 ttccatcttt tttgcttttc cttgctgaca gctatattgg ctttaactgct caagttttta 480
 ctgg 484

<210> 7576
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 7576

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 aatcattaga actaacaaat tcactaataa cattcttaaa aaggactttc tcccgaacaa 120
 aatgacaatc aatctcaata tgttttagttc tctcatggaa tactagatta gaagctatat 180
 gtatggcttc ctgattatca caacatagct tcatttggtg agtattttcca aacctcaatt 240
 cttgaagatg tttaatccaa atgagctcac atgtggctac aacctagct ctatattcag 300
 cctctgcact agaccttgca acaacatttt gcttcttact cttccgtgag acaagatttc 360
 cttccaaaga cacacaatat cctgaagtgg aacgcctatc aatgggtgat cctgccccat 420
 ctgcatcaca aatccaacta 440

<210> 7577
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 7577

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 aggtatgatc ccgaatcgga catccgtgag aaaagttatg accactcgat tttctcgaga 120
 gcttccgtag ctcaatttcc agcgtctcga aatatcatga ccccgaaatcg gacatccggg 180
 tgaaaacata tgaccacttc gagctatcga gagctcccggt tggatcaatgc cgagcgtcta 240
 gaagagttat gccccgaat agaacattcg agtgaaaacc tatgaccatt cgaattcc 298

<210> 7578
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 7578

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 gaatgtatgt atacatgatt ttgatgatgc caaagaagaa tctaacaagg ctgcttcaaa 120
 tgataagcat ttgcttcaaa aataattcaa gattgcttca acaaacaaaag ccttggtttca 180
 agattcacta aagaccaagc cttgccttaa aacaatgtgc tttcaagaca tgcaaggctc 240
 tggtaatcga ttaccaggaa gtgtaatcga ttaccagaag acagggttga gaaatagctg 300
 ttgaaaaagg ttttgaattt gaattttcaa catgtaatcg attaccatat gtctgtaatc 360
 gattaccagc aacgaaactt tggaaattca aattcaaaag tcataaccct tcaaattata 420
 actgtgtaat cgattacaca aacattgtaa tcgattacca gtggaaagtt tcagaaaatc 480
 tgccaacagt cacatctttt cattagattt 510

<210> 7579
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7579

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tctcaaagaa ctttgatatg agggatatgg gagagacatc ttatgtcata ggcataaaga 180
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aagctacaaa gaaagtgatg agatatcttc taggaacana ggattacatg ctcatgtaca 540
gacaaacttg atgtctggaa gtgattg 567

<210> 7580
<211> 397
<212> DNA
<213> Glycine max

<400> 7580

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atcgagacgc tgaagttga atgttgaacc tctagtcaaa tgcaaacgac aataattttt 120
tcttgatgt ctttttgagt cccgtaatat atcgagatgc tcgaaattga atgttgaagc 180
tctgagcaaa ttcaaacgac aataactttt tactcggatg tctgattgag tgctgtaata 240
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tttctcgat gtctttttga gtccccgaat ataacgagac gctcaaaatt gaatggtgaa 360
tctctgagcc cattcaaacg acaataactt tttactt 397

<210> 7581
<211> 408
<212> DNA
<213> Glycine max

<400> 7581

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ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180
gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240
taatataattg aggagctcga aattgagaac agaagctctg accataatca aaccacaata 300
actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360
acagaagctc tgaacaaatt caaacgacaa taacctttta ctcggatg 408

<210> 7582
<211> 308
<212> DNA
<213> Glycine max

<400> 7582

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tataaaaaac cggcttatac cacgaaccta tttaaaagtc tgcttacaga cgtatttgat 180
taatcaatat atttcaaac ctagtgaaat actgactgaa aaaacaaact tacttaattc 240
tctataagaa aacgacagat gcaaaaaaca ttgatgaact aaatgatatt gaatacaaat 300
cggtaaag 308

<210> 7583
<211> 562
<212> DNA
<213> Glycine max

<400> 7583

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aagaactgtt acaaataagg aagaaatgaa taggttttaa taggaagcaa cataaaataa 180
accaaatttg agtggtttta ccctatatgc tacactcgtt tgctacctac tattattggg 240
tacctgtgat gacagttaat tcaaaatgta atttataata ttaatatctt atttttgatt 300
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tagtgacaat ttgtcattaa ttgagtgtta atacatgtca taactatcga taggagtagt 540
 tgttcttttg cattgcataa ct 562

<210> 7584
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 7584

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 gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaaag 180
 aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgccac 240
 aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagcccat ggttgataca 360
 tggacggaga tgaaaaagat ca 382

<210> 7585
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7585

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 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatatacct tcctgatggc tgtggtcctg gaagcacgga 360
 aatttttttc taagaatact ctnttaaggt catcccagct cgtgatggac cttggagcaa 420
 ggtaatacag ncagtccttt gccactccct ctaatgaatg aggaaaagcc ttcagaaata 480
 tgtgacctc ttggacatc 499

<210> 7586
 <211> 600
 <212> DNA
 <213> Glycine max

<400> 7586

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aatatcatca tattcaaaca tattttgacc cctaagaaaa ttcttacctc aagaaagaat  120
tattaatctc atcctcttca taggttagac actgatagaa tttaaaaaat attgtacact  180
tgtttgatct aatttgaggt aactttgaat aaatttagtt ttgtaaccat ttcaatgtat  240
tagttgaatc aattcaccaa tggaaaaggt cccttgagtc ttttactgta tattaacagt  300
tattactata gtgtaacata tagtaataac tggtaaactt gggtatgatt ccttgacact  360
ttctaaactt taaacttggg tatgaatttg gaacatatta caagctaatt aataagatga  420
atgaagaaga cttctttttg tattgaagaa acattacata tatgatcatt attttaccat  480
agcccattgg agattaattc ccagagaata cattactaga cacctccttt ttaatgggga  540
tggtctgttc tctcctaggg aaaatataca gaaaatggta aaaaaaaggg gctattgggtg  600
  
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<210> 7587
 <211> 522
 <212> DNA
 <213> Glycine max

<400> 7587

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agcttcgcac ttgataaggg agaacacatg aacagcgcta ggcaatgaca ttcattggtgc   60
tctgaacaaa tgtggagtat ggaggattgc cttgatggtc ctacttaag caatcatgaa  120
gttgagctcc aaactcgaaa gtggaggaca catgaacagc cctaaacaag acattcatgt  180
ggctctggaa aaggacgaga atggaggatt accttgaggt tcctctctta ggaaatcatg  240
gaatacagct ccaatactcg aaaatggaga acacatgaac agccctaagc aataacattc  300
atgtggcttc ggaaaaggac gcgaatggag gattgccttg aggttcctct cttatgcaat  360
catggaatac agctccagac tcgaaaatgg aggacacgtg aatgacaacg caattcactc  420
acgcggcttc cggaaaaaga tgaataatgg aggattgcct tgacggggcc ctcttatgca  480
atcatggaac acaactccaa aactcaaat ggaggacacg tg                                     522
  
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<210> 7588
 <211> 520
 <212> DNA
 <213> Glycine max

<400> 7588

agctttaagt gcgattcctt tccttttctt gttattttcc tcatgttgat ttagcctcat 60
 gagttccatt tcgtgttcct gaagctttcc aaaaaagtt gcaagagaca tgtagtaag 120
 atctcttgat tctgtaatag tcgttacctt tgggtgtcat tccctgctta aacatcttag 180
 aactttgtta ataagatctt cattgggaaa tatctttcct aatgatgcaa gatgatttac 240
 aatatgtgtt aatctctttt gcatatcctg catagtttta ttttgattca ttctaaataa 300
 ttcataattct tgggttaggg tatttattct aaaccctttt gcatatgttg ttccttcattg 360
 gggtacttgt aaggatccc acatttcttt tgcattcttg cagttggata ctctaaaata 420
 atcattcatg cctaatgcag atgtaattat atttttggct tttaaattat attggaccat 480
 ttcctttctt cttcattcca ttggttccta aggttttcta 520

<210> 7589
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 7589

ttatacaact gaaacatggg agaaaaatag tgttttctca tgcacgacg ttttctaaaa 60
 ccttatcacc cttatagaca attgaaaaaa cttttaatgg aagtcaagag cacgaaattg 120
 cactgatacc gttgattggg gagcaggttt tccagcgagt tgaacacctg aatactatat 180
 ttggaaagac ccaaaagaag gataaaagta agatttgcac atggaagaag aggtccattt 240
 tctttgatct tccgtattgg tctgatctag atgttagacg ttgtatcgat gttatgcatg 300
 tggagaaaaa tttatgtgac agtgtcattg ggacgcttct taacattcaa ggcaagatga 360
 aagatggtct gaatacctgt caagatctag ttgacatggg catatgatcg cagttgcatc 420
 caacgtctga tgggaaaaaa atatacttgc ctccagcttg tcatactttg tctaaaaagg 480
 agaagataag tttttgttag tgtct 505

<210> 7590
 <211> 551

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7590

agcttcacca gatttggatg ctgcaaagca tatatcattc caatttcatt gacaaattca 60
cggttccctt gtttcgattt ggaggagagc tgcttaacag caatcacatg accatctgac 120
aacacaccct gtgattaaac catggcatcg gcattatggt tttataaaaag tattgtggga 180
taagtggcat accccgatgc tttgaaatca tattcggatt atatctgatg attaagtttg 240
tttaccttgt atacaggccc aaatcctcct tcacctatct tatttgcagg gtctaagtta 300
ttagtagctg ctttaatttg tcttaagctg aaataaccg ttttcaattc tagaagttct 360
gcagcagggg agatttgtaa ataaaatcac tattctatta taaaatcaac aaataagagg 420
ggtggggggg ggaganagga gacacacca gagaaaatat tgagaaagca acaaatat 480
gcaacgacca cgaacctaaa tccacat 500
aaagtaaaat t 551

<210> 7591
<211> 582
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7591

tggttcgtaca tcgttcgcgt gtatgatatc cacttgacaa ggtttgaagt agaggagacc 60
ttcaatccta taacgcaacg tggcggacaa aaatgggcag ttaacttgaa tggccattat 120
tgtcaatgcg gaaggatattc tgcgcttcac tatccatggt cacacattat tgcagcttgt 180
ggttacgtga gcatgaacta ctaccaatat atagatgttg tttacaccaa tgagcacatc 240
ttaaaagcat actccgcaca gtggtggcct cttgggaatg aagcggcaat tctccttct 300
gatgaggcat ggacactaat cctgaccca actacaattc gtgcgaaagg tcggccaaaa 360
tcaacaagga taaggaatga gatggattgt gtcgaaccat ctgaccaccg acaaaaatgt 420
agtagatgtg gagctgaagg gcacaatagg cgccgatgtc caatgcaatc tgaccgtggg 480
agtaatntat ttaattgatt tatgtatgtt acatgcctga cttgtattgc tttagggttt 540
gttcaatgta attacttcgt tgggtcttcaa taaaatcgtc ag 582

<210> 7592
 <211> 555
 <212> DNA
 <213> Glycine max

<400> 7592

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 catccaactt acttgactag tcttttcacg aggaagccac agttttctcc aagattttct 120
 ttagttccct gtttgaaact ttagcttggc catttttttg tgggtggtaa ggtgaggcta 180
 ctatgtgcgt gacatgatag ttacctaaca ccttctgcag ttggctgtta caaaaatgag 240
 agccccacat cacttattaa gactctaggc actccaaagc gagcaaaaat attcttcttc 300
 aaaaacttca ccataatttt agcatcactc ttoggagtgt ccactgcttc aaccactta 360
 gagacgcaat ccatagctac gagaatatat tcatttccca aagatggagg aagaggacct 420
 atgaaatcaa tcccccaaca atcaaagatt ccacttcca ttatgttttg caaggaatt 480
 tcatttctcc tagagattcc tcccatcctt tgacattgat cacaatgaat ggcattgtca 540
 tgaacatctt tgaaa 555

<210> 7593
 <211> 588
 <212> DNA
 <213> Glycine max

<400> 7593

tgtaaattat tgatttaaac attatttagt ttattttttc ttttaaacad aatatacat 60
 tatgtaaagt ttactttcac catttagttt gtcaaattat atcaaattca agttagacaa 120
 cattattttc aatatttgac tcattgtatt aagttgaata tgacaattct attattattt 180
 gtatctaaag ataattatta taaaattcaa taaatttaca ttacattccc taaaaaatt 240
 ataatacata atattttata acattttata atttgatgac aataataatg ataaaatgca 300
 ttaggctagt taactcaact gaaacctttt caatgaaatt tatgtcttta aaatataata 360
 tcatattaaa tatgaataat tctactctca tgtaagtatg atataatatg gacttaactc 420
 ataaaattgt gacttttaca ttactcaagc cttattaaaa ttttcttgtc caatttgta 480
 tattttgttg ttggcattga gtcaactcaa cttgaacttg ataatatatt tgtccctcta 540

gataattata acattattgt ataacattag tgtataacat atattttt

588

<210> 7594

<211> 508

<212> DNA

<213> Glycine max

<400> 7594

tctaggatgc ctattctaga tacaaccaa tcaggatgca cactccaaac gaggagaaaa 60
caacatttat cactaaatat gccaaactttt gctatagggt catgcccac agcctccaaa 120
ttgcaggcgc tacatactag agattgatgg atcgaatttt caaacaacag accggagtct 180
atgttgacca catggctcgt aaatcttaga gcattgccca acatgtggta gacctggaag 240
aggtgttcgg agagctctac aaatatgata tgcgccctcaa ccaaaaaaaaa tgtactttcg 300
aggtctgtga aagaaaattc ttgggcttta tgatcatgca tcggggaata gaagccaacc 360
ccgacaaatg cactgctatt ttggagatgt gtagtcttac taacgtccag gaaatccaaa 420
agctgaatgg aagactacca tcctgtcca ggtttcttcc aaagcttgct gaaaagtga 480
gtcgttctac gaattgctca agaaaaat 508

<210> 7595

<211> 439

<212> DNA

<213> Glycine max

<400> 7595

agcttcaaca tcagaccact ttcagggtgt ggaactactt cacatggact tgatggggcc 60
catgcaagtt gaaagccttg gaggaaagag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tgggtcaact ttttcagaga gaaatcagac acctttgaag tattcaaaga 180
gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgacca 240
tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
tgagttcttt gcagccatta caccacaaca aaatggcata gttgaaagga aaaacaggac 360
tttgaggaa gctgctaggg tcatgcttca tgccaaagaa cttccctatt atctctgggc 420
tgaagccatg aacacaaca 439

<210> 7596
 <211> 367
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7596

actcctttaa tgacaatagc atcatttctt gcaactgaatt gttgggagtt ggaagccatc 60
 ttatcaatca gattcctagc ctcaacagga gtcatatcac caagagctcc accattggca 120
 gcatcaatca tactcctctt catgttgcta agtccctcat agaaatattg cagaaggagt 180
 tgctcagaaa tctgggtggtg aggacagctt gcacacaatt tcttgaatct ttcccagtac 240
 tcatacaagc tctctccact aagttatctg atgcctgaaa tgtcttttct gatggtagtg 300
 gtcctagatg canggaagaa tttctccaag aacaccctct taagtcatcc canctggtaa 360
 tggacct 367

<210> 7597
 <211> 381
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7597

gtgccaattc gnetttcttct ttagttttgt cttcttctgg cttcaattct tcagtgggct 60
 ttccttctgt gtccagcatc ttgggatgtt cccagccttt gatgacagct ttccagggtc 120
 tgctatccag tgatttgagg aaggccacca ttcttgcttt ccaatattca tagttgcttc 180
 catcgagaat tgggtggtctg ttactgggtc cgccttcttt ctccatgttc atcagaattt 240
 atctccctag atctcactct gtgatttcga gtgttggtct tgataccaat tgaaattctg 300
 ataccagggg acagatgtcg tacaggatgt cagcacatca cgcttcagaa catgcagatt 360
 atatgtgtcc gtatgaacag a 381

<210> 7598
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7598

atctcaaagc ttcngtattc caagtcgagc gtctcgatat attacgggac tcaatcagac 60
atccgagtga aaaggtatat tcgtttgaat ttgctcagag gttcaacatt caatatcgag 120
cgtttcgata tatgaccaga ctgaattaga catccgagta aaaagttact gtagtttgaa 180
gttgctcaga gcttccacat tcaatatcga gcgtttcgat atattacggg actgaatcag 240
acatctgaga aaaaa 255

<210> 7599
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7599

ttactcggat gtctgattga gacccgtaat atatcgagac gctcgaaatt gaataccgaa 60
gctctgagca aattcaaacg acaataagtt ttactcgta tgttcgattg aatcccgtaa 120
tatatcgaaa cgctcgaaat tgaagaccga agatctgagc gaattcaaac gacaataact 180
ttttactcgg atgtctgatt gagtcccgtg gtatatcgag acgctcacac tngaattgccg 240
aagctctgag caaattcaaa cgaca 265

<210> 7600
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7600

aacataagca cttagacaat gaaggaaagc tggagttgct gcacatgatg tccaacgtta 60
tgtcaaagaa taaaatcggg ctgcacaatg cacaaggcaa gataaagtgt caaatgaaga 120
attgaagctg caggattcac gatgtctgat acaatgtcca ggacatcctg cccgaaaata 180
ctggagttgc tgaaagcatt gaagttgcag gatccacgat gtcggataca atgtccagga 240
catcctgccc gaaaataactg gagttgctga aagcattgaa gttgcaggat ccgcgatgtc 300
ggatactatg tccacgacat ctggcccga nattctggac atataaatct gttatatctt 360
taa 363

<210> 7601

<211> 325
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7601

 agctttgaat gctctattca atggagttgt tatgaatata ttcagactta tcaacacatg 60
 cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagaaagg atgacagacg anaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 aattgacatg aaagtcactg caata 325

<210> 7602
 <211> 296
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7602

 agctatcgag aatataaaat tgtcataact ttctactcgg atgtccgatt cangcacatc 60
 aaatatctag acgctcgaaa ttgaacaacg gaagctctcg agaatttaaa attgtcataa 120
 ctttttactc ggatgtccga ttcaggaaca tcacatatct agacgctcga aattaaacaa 180
 cggaacctct cgagaaattc aagtggatcat aactttttcac tcgtatgtcc gattcacgcg 240
 cataatatat tgagacgctc gaaattgaac aacggaagct ctcgagaaat ttaaat 296

<210> 7603
 <211> 429
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7603

 tcctttctcca ttcataatth cagcaatata tattatactg tttttaggct nggnagtgagg 60
 tntggactaa tagaaaactg aaaaatacaa tacaactaac aaattaacta caacggagtt 120
 tcactttgag ggtgattcat tggctaattg catatcccgg gttaaggaaa ttgccaagtg 180
 cctcaaaaaa gacacagtat tagcgaaacc tagaaattga aacattaaat tgggggtgaga 240

aaagaaacac gaaaagatta gtcaccgca ttttgctcta ctgcggtagt attaggttta 300
tagaattgac ttatatacca gtgtcaacca ataccaatat ccatagtaag tatgctctga 360
tttagattta ttagaattta cttntttacc tcattntatt cattaataat gagtngatatt 420
tctatggat 429

<210> 7604
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7604

ggagctnttc gactatgctc ttgtgtggtt gaacaagtta ctaaaggaga gagcaagaaa 60
tgaagagcca atgggttgata catgggcgga gatgaaaagg atcatgagga agcagtatgt 120
gccgactagt tactcaaggg acttgaaatt caagctccaa aaactaacc aaggcaaaaa 180
aggggttgag gagtacttca aggaaatgga tgtgcttatg attcaagcaa agatcgaaga 240
agatgaggag gtaactatgg ctcgatttct taatggtttg actaataata tccgtgatat 300
tgttgagttg caggaatttg ttgaaatgga taatttgctt cacaagaaa tccaagtaga 360
gcaacaatta aaaaggaaag gagt 384

<210> 7605
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7605

tcattttata gatgaaagac aaatggcttt tatgaagggg aggcacattc ttcattggtgt 60
tntgattgcc aatgagggtta tagctgaggc taaggctaaa aataaacctt gcatggtctt 120
caaagcggat tttgaaaagg cgtatgattc gggtttcttg gggtttcttg actacatgtt 180
gatgaggatg ggcttttctg aaagatggag gaaatggatt aatgggttgcc tgtccactgc 240
aaccatatcc attttaatta atggaagtct gttttttgga gatgccactt agcataatgt 300
tagaac 306

<210> 7606
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7606

tatcctatgg gattaccatg cacacaacga tcacaaattt aagtctatTT agtntatcac 60
 ttcctaataag attttgtttc tcaagttcat gtaatcctct ttcactaaca tgacctaatc 120
 tcaaatgcc aagttttgtt ttatcaatca atgtattact agctaccgat gcatgtccaa 180
 caatagtgg aacctcaaga ataaacaagc cattactttt attcttgta cccttagcta 240
 tgattaaaga tccatttgaa atcttacgaa cgccatttaa aattctagtt gaatatccta 300
 gatcatcaaa catgtttatg gaaataagat ttcttttgag ttctggaatg taccttacat 360
 ttttcagtag atactctcta tcatcaaaca ttttcaatct cacagttcca atgccttgta 420
 cct 423

<210> 7607
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7607

agctttatgt aaactagatg ccttggtttt cctggtaacc caactggcca tgaataaaaa 60
 atctgcacct gtcgccagac tctatggttt atgctcctct accgaccacc acacagacct 120
 ttgcccttat gtgcaacaat ctgaagcaat tgaacaacct gaagcttatg ctgcaaakat 180
 caacaacaga cctcctcaac ctcaacagca aaatcagcca caacagaata attatgacct 240
 ctccagcaac aggtacaatc ccagatggag gaatcatccc aaccttagat ggtcgaatcc 300
 ttcacaacaa caacaacaac agacttattt ttcaaat 337

<210> 7608
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7608

actacgcttc tacaactaan acatggtaga aaattattgt acactatgca tcggcaattt 60

ctaaaacctc atcaccctta cagacgattg aaaaaagctt ttaatggaag tcaagagcat 120
gaaactgcac cgataccatt gactggtgag caggtcttcc agcgggttga acacctgaat 180
actgtatttg gaaagaccta aaagaaggat aaaagtaaga cttgcataag gaataagagg 240
tccattttct ttgatcttcc gtattggtct gatctagatg ttagccattg tatcaatggt 300
atgcatgtag agaaaaatgt atgtcacagt gtcattggga cgctccttaa cattcaaggc 360
aagatgaaag atgggtctgaa tacccatgaa gatctatctg acatgggtat atgattgcag 420
ttgc 424

<210> 7609
<211> 387
<212> DNA
<213> Glycine max

<400> 7609
agctttttgt aagaatggag gagaggatta taaatagaat agcacaagtt tttgccaat 60
gaaattttct tgacaaagca agtggtgaac aaaaactctt agaaagatgt tgagaattag 120
tgtaataaag ttttctgaaa ttctgtccat ggtcacatat ttatagtcatt ttgatgactc 180
ttgaagaacc atgttaaaag ttgtgacagt tggcaaaaac tagtcacttt aaaagttgtg 240
actctttgga aattttatctt tcaaaaccaa tcaactggtaa tcgattacca ttatgggtgta 300
atcgattaca tagttttatctt tatcaaagggt tgtgactctt ctggtgaagt tttgaagtca 360
acgttcagaa ctactggtaa tcgatta 387

<210> 7610
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7610

agcttgaagg anaactgaat gcattgggtt atnnggtaac ccagctggcc ttgaattaga 60
aatttggtcc tgtcgcaagg gtttgtggtt tgtgctcttc tgtcgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagtaa ttgagcagcc tggagcttat gctgcaaaca 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240

tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcagt tggctctagcc 300
ctcaacaaca acaacagca 319

<210> 7611
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7611

agcttatgct gcacacatct acaatagact cttctccacc tcagtagcaa aatcagccac 60
aacagaacaa ttatgacctc tctagcaaca ggtacaatcc cgagtggagg aatcatccca 120
accttagatg gtttaatcct tcaaaacagc cgcagcaaat acaacagcct tattttcaga 180
atgctgctgg cccaagcaga ccatacatta ctccaccaat ccaacaacag caacagcccc 240
agaaacagaa gacagttgag gtcctccgc aaccctccct tgaagaactn gtgaggcana 300
tgactatgca aaacatgcag tttcaacaag agaccagagc ctccattcag agcttaacta 360
atcagatgag acaatnggct acaca 385

<210> 7612
<211> 305
<212> DNA
<213> Glycine max

<400> 7612

agcttatgac cattcgaatt tctcaagagt ttttggtggt caatttcgag cgtgtagatg 60
agttatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgat tttctcgaga 120
gcttgcgttg ttcaatttcg agcgtctcga tatattatga ccccgaaatcg gacatctgtg 180
tgaaaacgta tgaccattcg attttctcga gagcttccgt tgttcaattt ccagcgttta 240
gatgagttat gtccccgaat cgaacattcg tgtgaaaact tatgaccatt cgaatttctc 300
gagag 305

<210> 7613
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7613

tgaattggac ctcggtgtga aaagttatga ccatnngtta ntttcgagag cttccgctat 60
tcaatttcgc acgtctctat atgtgacgct actgaatcgg acatctgtgt gaaaagttat 120
gaccatttga atttctcgag agcttctgtt gcttaaattc gagcgtctcg acatattatg 180
ctcccgaaac gggcctccgc ttgaaaaatt aagaccatt gaatttctcg agcgcttcg 240
atgtttaatt tcgagcatct cgatatatta tcagcctgaa tcggacctcc gtgtgagaac 300
gtatgacat ttgaatttct cgagagcttc cgctgttcaa tttcgagcgt gtgaacat 358

<210> 7614

<211> 431

<212> DNA

<213> Glycine max

<400> 7614

gatcaaaaca attatctaatt cattccaatc cactcattat atacaattgc ttattcaaatt 60
cattctcaaa cattcatttc atgcaaaaca atccactgca tatcattttc aatcaattca 120
ctattcaaac acgcttttagg tacaagcaaa caactcaaag tgctgaaatt taaataactg 180
aaattaaaat aactgaaata tgacaacgaa atcagctgga aatataaggt gtttaacctt 240
caccaaaaca tcttcaatga ctccatatgg ccttgtgatg gagcgggtcaa ctaactggag 300
ggtcatgcgt gtgggcatta tctctatctc tccaagtcgc tggcacatgg aaagaggcat 360
taaatcgata ctagctccca agtctatgag aagcttgctt acaacaacct caccaatata 420
acacggtatc g 431

<210> 7615

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7615

gcttgccaac ccatggaagc tctaatatc toccacacnt tttgggggtgg gtttattttg 60
gaaggccttg attntctcag ggtccacttg taccacctt ctaccaacta caaacctta 120
gaaaactata ttatctacac aaaaagtaca cttctctata tttgcataga ggggtgtttt 180
cctaaggact gaaagaactt gctgagatg tctaagtga tcatttaggc tcctactgta 240

cactaaaatg tcataaaaat aaaaaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc attagtgagc ccaaaaggca ttagtagcca 360
ttcatacaaa ccaaacttgg tcttgaaagc ntgtttccac tcatcaccct 410

<210> 7616
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7616

ntgatctaac aaatagggtt tgagtttatt gtccaatgta aagagaagtc ttactttata 60
aaagctttta tatgaaataa cctattccca ccataatgg gtataggtaa tccatgatct 120
caaaccaacc gaaattgacc caattagttt ggttcaaatt ttttttagctt aggtcaaacc 180
caacacaacc caatcctgcc tgttcaattt acaagccaag taagatgttt tgttttttta 240
actcgtgacc caaccgtaa catataatta aattcattat atatataatt aaattattaa 300
acacaaaaca ctataacttt tttctaact aatttattaa attaaatcaa ttatactttt 360
ttctttttca gntgggtctt atatttttat c 391

<210> 7617
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7617

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tcttcacaaa caagtcactt agagaattgt gacttttgga aatgtatttt tcgaaatcag 120
tcactggtaa tcgattacca ttaagggtga atcgattaca catcaacaga tgtgactctt 180
cattttgaat tttgaatata aaaacattta caagctttgg taatcgatta cacaatgtaa 240
tgattacaag tattgtgtaa tcgattacac aagtttaaaa tacttttaaaa ctgttttaaac 300
ataagttgta actattcgaa attgaaatct taacatttta aaacactagt aatcgattac 360
taccttctgg tgatcgatta ctagagagta aaact 395

<210> 7618
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7618

ctcactcttc ttagtttcag atgatgcaga tgggtttgta gctacctcat gcactcctct 60
 attgactatg gcatcatttc tggcgctaaa ctgctgggag tcggaggcca tcttctcaat 120
 taaatttctg gcttcagcag gagtcatgtc tccaagggtc ccaccactgg cagcatctat 180
 catacttctc tccatattac tgagtccttc ataaaaatgt tggagaagaa gctgttctga 240
 aatctgatgg tgagggcaac tggcacatat tttcttaaat cgctcccagt actcatacag 300
 gctctctcca ctgagttgtc taatacctga gatatcttct ctgatggctg tggtcctgga 360
 agcanggaaa aaattttcta agaatactct cttaaggcca tcccagctcg tgatggacct 420
 tggagcaagg taatacaac 439

<210> 7619
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 7619

agcttatgat tccatttcct gggaattctt gtattggatg ttttaagtcca ttttctttcc 60
 cagcccagat ctgtacttgg atcatggagt gtgtttcttc cacttccttt agtgtggcag 120
 tcaatggatc catttatggc cacttcaaag gacagcgggg tcttaaacia gaggatcctc 180
 tctcccctta tctgtttgtg ctctgtttgg agtacttttc cagagatatg agcagcctca 240
 aggatgatgc caattttaaa tttcatccca actatgcagg tattcagcta tctcatttgg 300
 ctgttcgaga tgatattatg cttctatcta gatgagatat ccattctgtg ttaactatg 359

<210> 7620
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 7620

ggacactatg aaactccgct tatggacatc ttgatttcgc ctatctagta agcttttctg 60

ttctaagagg aatctgtgga ggggtggttag gaagttccac attgcttgtc tcaattttta 120
 aggtgcaact tatatatcta tttgacaact tcactactaa tgtcaattgg ttttaagcta 180
 aaatctagta gctttgtttg ttttcagaca tctgtagagg ggagtgttcg gaagtctcag 240
 atcacttgcc ttagttcccc agatacaact tatatatatg ttggacaatt tcaattagtg 300
 ttattggttt taagctaaaa tctagcaatt gacatgtatg agacacatgg aagagaattg 360
 atgaagaggt agcctgctta aattaaagca cataaatgc 399

<210> 7621
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7621

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 ttccgatgac atgcggagat gcccaacggg tatccgcact tttgtcaact agaggcaagc 120
 gagcctgttg accaagacta ttttagtctc acacctttgt catctacagt cggcaagtca 180
 gatgacatgc ggagataccc aagggttatc cacacctttg tcaactacgg gcaagcaagc 240
 ctgttgaaca ccgagacttt nttagtctca cacacaaaaa ttgaagaact acgtaggtct 300
 gatttcctca tcacaaattg agaatactta ggagcaaaag ccctactttt atcgaccacc 360
 ccacactttt gttaccgtga ctcaagagtc tggtggcata cgaagacacc cgatggttat 420
 ccgcacaca 429

<210> 7622
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7622

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 tcttaagaag ggggggttgaa ttaagatatt acaaattatt tccccaatta aaattctatc 120
 aagttataaa ttcccttaat aatgaacttc ttaaattattg attcaaatag aacaatttga 180
 atatgaatat aaaacaataa taaataaagg agtttaaggg aagagaaagt gcaaactcag 240

attgatgtgc catcattttc ttctattttc taaacccttt ntgcaccatt ttaattattg 300
attggtctta attgtcaatt aattacgcag ttttattatt tggggccatt cagactaatt 360
gatgtttnta atctaatttc aggaattaat gaagcattgg gcttgaatct 410

<210> 7623
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7623

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ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa aacctaaaga 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180
aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctaggctcc tactatacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtct tgaaagcagt tntccactca tcaccc 406

<210> 7624
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7624

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gctaagctca cctccttgag atgagaagct agagcttagc tacacacccc ctataatagc 120
taagctcacc ccatgacaaa aaaacatgaa aatacaaaaa aaaggcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcccaga tgaaggaaat acctattcta atattgacag agataaccgg gctcatactt 300
agcccatggg ctcgaaatct accctaaggc tcatgagaac cctaaggcct teccttggat 360
ctctagccca atctacttgg a 381

<210> 7625

<211> 421
 <212> DNA
 <213> Glycine max

<400> 7625

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gcttctgctc attctggaac ttcaagcttc tttgatcagt cctaattaaa attttgtttc 60
ctagcagata atgcctccat ttcttctactg ctaacaccac taccatcagt tccctctcat 120
atattgactt gacttgagcc ctgtctgaca gagccttgct ccaaaaagct aaaggtttct 180
cttcctacaa taaaactgcc cctagcccag ttctaatgc atcagtttcc atgataaaat 240
ttttagagaa atctggtagt gccagaataa gaagcctcct cattgctgcc ttaagctctt 300
caaaggcatg agtagcttct acgaggtatt tataaaccaa gttagagata gttacaatcc 360
aggattttat aaacctctat acagcagaac taactataac taactctaac aaaaagctta 420
c 421
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<210> 7626
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 7626

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agcttcacat cagaccactt ccaggggtgct ggaactactt tcatggactt gttggggcct 60
atgcaagttg aaagccttgg aggaaagagg tatgcctatg ttgttgtgga tgatttctcc 120
agatttacct ggggtcaactt tatcagagaa aaatcagaca cctttgaagt attcaaggag 180
ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca agagaatcag gagtgaccat 240
ggcagagagt ttgaaaacag caggtttact gaattctgca catctgaagg catcactcat 300
gagttctctg cagccattac accacaacag aatggcatag ttgagaggaa aaacaggact 360
ttgcaagagg ctgctagggt catgcttcat gccaaagaac ttccctataa tctctgggct 420
gaagccatga acaca 435
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<210> 7627
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7627

nttatccatg gcttcatatg gtggtgagct tcttctatac tcattcttcta cttaaagtga 60
 cgtctccatt catctttctc cttctccatt cctctgcaat cagacctcaa gaagcaaagg 120
 aatccatgga tgaagaagat ccaaggccta caagctccaa tggagctaca tcatgtggta 180
 tcaagagcat cttcgtctag gtgatgttct tttgcttctt ctatcttttt gttctgtcaa 240
 ctcactataa ttcgttgggc ttcattcttat tctccatgta tategtccat tgtcttggg 300
 tttggttctg cttagagtag attcaattaa atcttagatc tacacttggt cttgcatttc 360
 tatggtacac attttataga tctactcttg aatcatg 397

<210> 7628
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7628
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 caattcatta gtgggctttc cttctgtgtc caacatcttg ggatgttccc agcctttgat 120
 gacagctttc cagggttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
 gtattcatag ttggttccat ccaaaattgg tggctgtgtc actggctctc cttctttctc 240
 catgttcac agaatattc tccctagatc tcaactcagt atttcgagt cgggctctga 300
 taccaattga aattctgata ccaatgccag atgtcgt 337

<210> 7629
 <211> 239
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7629

atctggaaca tgtgcatatg ctatacancc caaaactnta agatgnnttg ataatggctg 60
 ccttccactc tanngcttct ttggcatctt gtcatgaaca ctcttagtgc ggcacctatt 120
 caaagtgtag acaatggtag caactacttc tgcccagaac ttcttaggca ttttcttggc 180
 cttcaacatg tacctcacta tatccatgag tgttctattc ttcttttcag ttacttcat 239

<210> 7630

<211> 303
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7630

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 agctttgtca cttctactcc tctcttcatt ctatttggtc atcttttcat tntatcattt 120
 ctctttcttn tctacttctt ttctgggcat taattctttt tcttaaccat tattgtattc 180
 ttttcctgat gcttcacttc tcacatatct tcatttatca gacctttctt tcacagcctc 240
 ttctggatac acactatctc atcctcactc acaacctcta ctcttgcata cagcttcatt 300
 ctc 303

<210> 7631
 <211> 232
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7631

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 tcatgccgag actcangaag cccaacaggt ntagccttct ctaagtattc tgaacaaaat 120
 tcaatggctt cttctgcaat gtacctctca acaatagatg cttctggacg atatagattc 180
 tntgtattac cctttaagat cttcatgtat cgctcaaccg agtacatcca cc 232

<210> 7632
 <211> 235
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7632

 gatatcaagt gaatattcat tgcctctatt cctctnttat gcttgcggtt taccgagtnt 60
 ggaggtcctg ttctcatcg acctgctgaa gacttggcat tttcagttgc aanggttata 120
 cagaaagggg gatcatntat aaattattac atggtaactt cattatngat tgattntgat 180
 gtngtatatt taaatattca actcagtcctc tttattttgt tcctttcagt atcat 235

<210> 7633
 <211> 161
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7633

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 tatgctcctg aatcggactt tcgtgtgann aagtatgacc agttgacatt ctcgagagcg 120
 tntgggtgttc aatntccagc gtctcgatat gtgatgtgcc t 161

<210> 7634
 <211> 218
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7634

 tgtgtcatgg tcaagaaggt caatggcaaa tagcgaatgt gcaccaacta cattgatcta 60
 natanggtgt gccctaaaga tgcataccct ntgtccaaca tcgactggct agttgatgga 120
 gcgtncgggt tccaggtgct aagcttctcg gacgcctact tcgaatacaa ccagatcaaa 180
 atgcattctc tagacgagga gaanatgaca tntatcac 218

<210> 7635
 <211> 431
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7635

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 tatcagtgaa ataaatattt tgatatgaat ttgtagtatt tttaatagat angtgatgta 120
 agattattat gtgtaataag gatgaacgtt cacttcattt aaaaattgag acatttatatt 180
 gaaaatattt gagtcacatt atttatataa gtgagatnnt tagtagatac gtcttttttg 240
 tggaaaattg aaacgtgagt ggaatgtaac gagatgtttg tgttatgatc atattaatta 300
 atcatcgaga atgtgaatac tattcatttg agtatatgta aaaaatattt ctctattcgt 360
 atgatattat ctgggaaata gatttgattg tatttttttag tggccctgaa tatctgagca 420

tattttttaat a

431

<210> 7636

<211> 174

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7636

atgcaattta acatctaact gtcceaagta aagattcttt gcagctataa tactcagaat 60

aactctaata gtagtcatct ntacaactgg agagaagaat ctctgtgaaa taattccttt 120

gttctgctga aaccctntca ccacaagtct cgctgatataa cttcttctat catc 174

<210> 7637

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7637

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60

ttcacccgac gaagacactg acagaaactt atcttctcct tcttggacaa agtatggcag 120

gctgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga tcgtatgccc 180

atatcagcta gatcttgacg ggtattcaag ccatacctcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaactcaa gatcagacca gtttggaaga tcaaagaaaa tggacctctt tttccacatg 360

caactcttac ttttatcctt cttttaggtc ttcccaaaac aatattcagg tgtngaaccc 420

gctgatatac 430

<210> 7638

<211> 465

<212> DNA

<213> Glycine max

<400> 7638

agcttattag aagggccata ggtattttat tgatttgtac agaaaattaa acagttgcat 60

aaaatttctt ggaaaatatt tttaatagta tagttaatat tctaagtaaa aataaagctt 120

ctatacagtt tttgcaatta ttttttggcc aaaaatgcaa ttctagttag tttgatgata 180
 cttttttggg gctccatcca gtctagaaaa ttatttaaaa atcgtattaa gatagtactt 240
 gacttttcctt tatatttttaa aataattttt tatggctgaa atataatttt tgttcaacta 300
 tttttatcaa tcctcaattt aggtattcct agtttagaaa tgagactttt aatcctctta 360
 ttttacaaaa ttagtagttt tggctcctcca tccatatcaa tgatttgact gttaaaaata 420
 catggactgt tataatttaa ttttttaatg aagtgaatat attta 465

<210> 7639
 <211> 462
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7639

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 ataggtcaga cctcctaggg ggaggggatg atgcaatcct ccctaggaag ggccagtcac 120
 tatagtcatg agcaagaggc tccaagagga ttgggctaga gttgctaaag aagaccctag 180
 ggttctcatg aacctcagga tagatttttg agcccatggg ccaagggttg gtccacttat 240
 ctttgtacat attagactag gttttcatta tttttgggcc ttgtatttag ggctccataa 300
 tgtaggtaag gtactggcgc ttcatgactt ancctctttt tcacctgaaa ttgcacagat 360
 ttcatcatta aatccaatgg aaatattcta gagacaactt taacaataga acaagattta 420
 tttacagaat cactacaaaa taaccataaa tttggggaac ta 462

<210> 7640
 <211> 569
 <212> DNA
 <213> Glycine max
 <400> 7640

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 tgaaacttca tttatataca aaggcatttg atacttatta ccccccccat cgaagagaat 120
 gaatacaaaa atgttgaggt tccatccaat catttaactg cttcaaggag aaccaaaaact 180
 agctagggag aaaccataga agtttttttt tccaaagaat ttgattcctt ccaaacaatc 240
 gaggagtata ctttagaaaag taaaatataa agttaaaata tataatcagt taaaaaatta 300

acagtcgaaa ttatgataaa tacatgcaca cacatatata acaaattata taattgttta 360
aattaggtta taataagata catgcgtata taaaacaaat cataaatata attgtgtata 420
catttatctt atgaatttag tggtaaaatg gttaaaattt tttacatact atgatagaaa 480
aagcaacaaa tttattatat atttatttgt aaatgaataa taaataataa atcgcggtg 540
tatttatata tatatatata tatatatat 569

<210> 7641
<211> 534
<212> DNA
<213> Glycine max

<400> 7641

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acactattac catttggttg cgcatgttct aaaaaacaa aactaagcat ataagtagta 120
gctcactcta tgattagtta aggctcgaat tctcacaaaa ggaaacgtat ctgatcttct 180
cttaaaagac attgtatcta taagataata tttgtgaaaa caatacatta actagtattt 240
taaccgtgaa atttatatcc atttaaagggt gaactaaaaa tatgtaaatc catgataacc 300
aaattattga tacatgttaa ttaattaata ataaaattgt ataaatttaa tttaaatctt 360
gaaagtacat ttttagtttt attaatctca gtaataaaat aatattttta taattttata 420
agataaaatg gaccctaatt cttataggga ttaattttta ataataagta aaaaaatctc 480
aattttggaa attcgaaatc ttaaacccta aatttcctac cctttgacaa tggg 534

<210> 7642
<211> 351
<212> DNA
<213> Glycine max

<400> 7642

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tcataagttt taactcggat gtccgattca ggagcttcac atatcgagat gcacgaaatt 120
gaacaatgga agctctagag aaattctaatt ggtcataaat tttcacacgg aggtcctatt 180
caggcgctta atatatccag acgctcgaaa ttgaacaatg gaagctctcg agatattcaa 240
atggtcataa cttttcactc ggatgtgcga ttcagggtgta tcacatatcc agacgcttgg 300

aattgataac ggaagctcta gagaaattaa aatggcatta ctttttacac g 351

<210> 7643

<211> 298

<212> DNA

<213> Glycine max

<400> 7643

agcttggcac caagtaaacc tcttttcttg aattatgtcc aaagtatatt tacgttggca 60

taagaatata ccacttggat tccttgcaac ttctacacca agaaaatact tcaggggtccc 120

caaatctttc atgtgaaagc acttgctgag atatacttta aatttttggga ttgtagtgga 180

gtcattccca cacacgatca aatcatccac atacaccaa actaccagtt gcactccatg 240

attaagaaga gtaaagagcg agtggtcaga ggatgattgt tgaaacccaa aaatcgtg 298

<210> 7644

<211> 368

<212> DNA

<213> Glycine max

<400> 7644

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aatctgtacc tgtcgcaagg gtttgggggt tgtgctctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gcagcaaata 180

tatacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagagc aattatgacc 240

tttccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggtccagcc 300

ctcagcaaca acaacagcag cctgctcctt tctttcaaaa tgcttttggc ccaagcagac 360

catacatt 368

<210> 7645

<211> 405

<212> DNA

<213> Glycine max

<400> 7645

agcttcctta agaagattcc taaagaagct tgagcttagc tacacatacc tttctaatag 60

ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa aaacatgaaa ataaaaaaaa aagtccttat tacaaagaca 180
 actcaaaatg ccctgaaata caaggctaaa accctatact actagaatgg ccaaaatata 240
 aggccatac gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta 300
 gcccatgggc tcgaaatcta ccctaaggct catgagaacc ctagggcctt tccttggatc 360
 tctagcctaa tctacttggg gtcttctaac caatgccctt gcggg 405

<210> 7646
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7646

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 tcacatcttt tcataaaagg cattgtgtaa tcgattacat gattatggta atcgattacc 180
 agtgacaagt tttgaataaa aagtcaagag atgtaactct tgacatgatt ttctcaaaat 240
 tataactctt ctaatgggtt tcttgaccag acatgaagag tctataaaag caagaccttg 300
 acttgcatc aaatatcttt tgagaacttt tgaacttctt tgacaacttt tgagaaatct 360
 taaacctttc ctactcatca ttcttcttct tcttcttctt ttggcacaaa agctttctta 420
 agtttctggt tttcaaactc tgttcttcta cagaaaacaa aaggggccaa atcttttcaa 480
 tctcttct 488

<210> 7647
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 7647

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 tttcacaacg gcacagcccg atgtaatggc agcgaacccg ccaagcaggc cgttacacac 120
 gtcaatcacg ttccagtggc cagccaataa ccgcttgetg aacaacgtcg tcagagccgc 180
 agtgctccca gccaatgtcg tcgtgacagc tgtcctccct atagcgctcc attgaccata 240

ataccctcca cttccatacc ccttggtat tgtcagaaac gaaccagggt tgaagccgta 300
ccagccgaac cataacaaaa acgaaccaag cccaactaaa gacgcgtgt ggccacgtaa 360
agcaaccgac cggccgaacg gtcgaaccgg gcgattctcg ggcctttaat taaagccc 418

<210> 7648
<211> 350
<212> DNA
<213> Glycine max

<400> 7648
ttttccacac tttttggggt gggccattct tggaatgcct tgaatttctc aaggtccact 60
tggaccccat ttctaccaac taccaaacc tagaaaaacta ttttatctac aaaaaggta 120
cacttctcta tatttgcata gaggggtgtt ttcctaaaga ctgaaagaac atgtccgaga 180
tgtcctaagt gatcatctag gtcctacta tacactaaaa tatcatcaa ataaacaact 240
acaaatctac ctatgaaatc ccttaagaca tgatgcataa gcctcataaa ggtgcttggt 300
gcattagtga gcccaaaagg catcactatc cattcataca aaccaaactt 350

<210> 7649
<211> 327
<212> DNA
<213> Glycine max

<400> 7649
caacaacaga ataattatga catttcaagc catagatacc atccacgctg aaggaatcat 60
ccgaatctga gatggacaag tcctccacaa caacaacagc ctatccctcc ttttcagaat 120
gctgctgac caagcaagcc atatgtttct tctccaatgc agctacagca acagcagtta 180
caacaaagac aacaagtaac tgacgctcct cctcaacctt ccttataaga gttatgggag 240
caaagacca tccagaatat gcacattcaa caagagacaa gagctttcat tcagagtctg 300
acaattagat ggtgcagata gctactc 327

<210> 7650
<211> 451
<212> DNA
<213> Glycine max

<400> 7650

ctcagctatg ttgcaacatt ataatagact ccctcagcag cataaccaac aacaacagaa 60
taattatgac atttcaagca atagatacaa tccaggttga aggaatcatc cgaatctgag 120
atggacaagt cctccacaac aacaacagcc tatccctcct tttcagaatg ctgctgatcc 180
aagcaagcca tatgttcctc ctccaatgca gcaacagcaa cagcagtcac aacaagaca 240
acaagtaact gaggctcctc ctcaaccttc cttaaaagag ttagtgaggc aaatgaccat 300
ccagaatatg caatttcagc aagagacaag agcttccatt cagagtctga caaattagat 360
ggggcagata gctactcaga tgaaccaagc tccgtcccag aattctgata gattaccttc 420
tcaatctatc cagaatccca aaaatgtgag t 451

<210> 7651
<211> 431
<212> DNA
<213> Glycine max
<400> 7651

gatggtgtcg agaagaaata acatgtttgt catcatttaa aagggggaga atgtgaatgt 60
atgtatacat gattttgatg atgtcaaaga agaatctaac aaggctactt caaatgataa 120
gcatttgctt caagaataat tcaagattgc ttcaacaaac aaatccttgt ttcaagattc 180
actaaagacc aagccttgcc ttataacaaa gtgctttcaa gacatgcaag gctctggtaa 240
tcgattacca cgaagtgtaa tcgattaccc gaagacaggg ttgagaaata gctgttgaaa 300
aagggtttga atttgaattt tcaacatgta atcgattacc atatgtctgt aatcgattac 360
cagcaacgaa actttggaga ttcaaattca aaagtcataa cccttcagat tataactgtg 420
tgatcgatac a 431

<210> 7652
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7652

tcacgtgctn tagccacgat gcattcttga tgattntctt gatggcgagg aagagtacct 60
gcttcagatg ggaatggctt ctgggcaccg caccttccat atgggttcca tgagtgcacc 120
tctctattgc tottcattct gggtgcagtc gccgatgccg tttcagggtt ctacaagaca 180

aagattttgc ttaagtcacg tgatctctaa tcacattttt tatttaacaa ttaataaaaat 240
 taattntttt tacaacattc aaaaactgtc acaaacttat aattaaatac aatattttatc 300
 aaatgttggc ataacttatg ttaaagcctt tntgtaatat ttttaaattt taataacatg 360
 aactatatat aacatttaat aaaatatcac aaaaataaat taatcatatc tatctataat 420
 tngataatat ctttntaatg tgatcaaaga ttttaacaat atgttta 467

<210> 7653
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7653

tgtgctctt cacgtctaga atatgaatgt agcatatatt attctaagac ccttaggtgc 60
 tttgctgatg gcttcttcct gttccaagct tcaattggag tcttgtcttt tacagactta 120
 tttggacatc tgttgagtat gtaaacagca gtgtagactg cttcagccca gaatgtgtta 180
 agtagtcctt tttccttgag catcgatcta gccatctcca taactgtgtg attctttctc 240
 tcgggcactc cattntgttg aggagaatat gcaattgtaa gttgtctctc aatgccttca 300
 ttctcacaaa atctttcata ctgcgagag gtgtactctt tgccgcgatc acttcgtact 360
 ac 362

<210> 7654
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7654

cgtgacattt gtcagcatca gaagtatagt gctacctctt ctggaggatt gctgcaacct 60
 cttcctattc cggaacaggt ctgggaggat gtatcagttg attttatcac agggttgcct 120
 tgttcgagag gctatgaagc tattctggtt gttgtggaca ggctgaccaa atatagccat 180
 tttgttccat tgaaacaccc ttatactgcc aagggaattg ttgagatttt cgtaagggaa 240
 gtagtgaggc tacatggagt tccaaaatct ctcgtagagt atagagatcc tttattttatg 300
 agtttgtttt ggaaggaatt ttttaagtta caggggacaa tgctcaagat gagtacaact 360

taccttccgc anacggatgg acagaccana gtcacaaata ggtgtcttga aacctatatg 420
cgttgtntca ttactgacc 439

<210> 7655
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7655

agatactaag ctttaccttt cattntaacc cttagaactt tctggccaat attgtcatag 60
ataaagcaat gttgatgttc aaaggacact ttaaatecct ttttaataca ctgacctaca 120
cttagcaagt tttgggtcaat gttagggtaca taaagaacat ctgatattaa tttgggtacct 180
gaacacgttg aaattgcaac agttcctttt cctttttactg gaatatagcc accattccca 240
attctgacct ttgagacatt agttggcttc aaatccttga ataaagtctt atcatatgtc 300
aggtggttcg tacaaccact atcaatcaac caacttccac ttgattcact actcaagaag 360
catg 364

<210> 7656
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7656

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacttt tgtcaaggat tttcttcatg 120
cctcttaagt gcagatgtcc aaacctttga tgccatattc tgacttcac ttctttggag 180
gatagacatg tagaggagta gctgggtttct tgggggtgtcc ataggtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactnt 300
gtgaagttta cattgaatcc ttcacacac agctgactga tgctaataca gtttgagtc 360
agtcccttca ccagcagtac 380

<210> 7657
<211> 435

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7657

atcttgccctt caagttcacc atatctaaca acctcagtaa ccgtgtgaag gttgtgcatc 60
 ccagatacaa tggctttctta gaatcagttt ctaatttttc ataataaggt gcatgcgctt 120
 gcgtaaaatc ctctttccca agatcgcgta acatgtcttt tatacgatct ctcaattgta 180
 catgaactgc ctcaagtcaa gggattgggtg acatttgggtg taactcacca tgccatatcc 240
 attttgtata agtagaactg ataccgtcac atatatgatg tgctctaattg tcatttaattg 300
 gctgttgtct cccattcaga catttaacac atggactaag atattttcca cccatttcta 360
 ctgcattatg tngcacaaat agcaagaatt ctccaactct attctcatatc tcgtcactta 420
 ttcattgctgc tctca 435

<210> 7658
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7658

agcttgtaaa acttgcattc taccctcgta ttctttaaca tacttactgc tttctctaatt 60
 attgtttaca gcatgaccgg ttactttcaa cccctcttga acaataaggt ttaaaatgtg 120
 agcacaacat cgtatatgaa aaatacacca ccacttacta aacaatgcat gcaaaaaaag 180
 tctttacctc aaatagtctt gcattttatc attcgaagaa acaatatcta gagttaatga 240
 aaatattttc tgctcaatcc cccattcttc caaaaaaacc atatataact ttagtcatct 300
 cacgccccaa gtgtggagga ggaaaatgag aaaaattaag cattntacta ttcaactttc 360
 aatttgcattc aacataatgt gcagttattg aaatataacc ctcagaagt 409

<210> 7659
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7659

ngtctaccag gtgtgcttgt attcccaata tcagctgact ttggcaaaac aaaatcaaaa 60
 taagaatgtc tcttgctctt cacgcatggg agcaatatca ccattcctat cattaataat 120
 ggagtgtggg tccttaacag tatggacaac ctgagtgatg gaacccatag cttttcttctt 180
 atgactagct ggtaaataaa attaaatgat tataatgtgaa tgcagaatct cacacactac 240
 taaaaatggc tcaacatatt accatcataa caaagtaatg atttacgtaa tccattcggt 300
 cgtaatgcct ttctattcat gccttctgtg tacttgctca cctcaacctg cattctgtag 360
 taataactgt attaagcatt aaacaaattt aatactgtac aacctttctc catgagagca 420
 catatcta 428

<210> 7660
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7660

agcttcgcgc agatccctct nggaagacta tgcttagact aaacaacatt attataactg 60
 aaattctgat accaatgcca gatgtcgtac aggatgtcac gacatcacgc ttcagaacat 120
 gcagattatc tgtgagtgtg tgaacagatt aaacaagtaa ataacacaag agaattggta 180
 acccagttcg gtgcaacctc acctacatct gggggctacc aagccaggga ggaaatccac 240
 taaaatagtg ttagttcaag gtctaacagc cactgtttac aacctttctc cctaaccact 300
 acccgtgcga cctctaccta agagccactc ttagatatga gaacccctct cactccctct 360
 caaacactct cccgtgttta caattaaatc aaggacactc cagagaatgc tctctgaaca 420
 aaagagatca actc 434

<210> 7661
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7661

agctgccaat cttgtgcaga agcttctctt gttactgctt cttgagaatt ttaagatatc 60
 ttattggaac tactaatcat ggcttacggc tcgagataag ggtctgagtt taatcttgaa 120

cgctattgtg atgttcattg gtatgggtgat aaagtactaa ggaacatcac tagctgtgct 180
 tgattgtcct tgtacaatca ctaatatctt ggtcatctaa gaaacaaagc acaattgcac 240
 cgtcaacctc aaaagctgag tatgtctcag cagctgtttg ttgctgtcaa atcatcttga 300
 tcaagcaaca aatgtttagat tattcactag aataggctaa aatatgcatt tgggtgtgaca 360
 acacgagtgc cataaaacca tcgaagaatc caatccaaca ttcaaggtcc aagcacattg 420
 acatnaaaca 430

<210> 7662
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7662

ngatccttga atctggattc tggattctag anatcaactt tcctcttgaa tcttgaagtg 60
 ttcttcaact ttctcttga atcttgaagt gttcttgatt ctatcttgaa catcttgaac 120
 tcattctttg attgaacttt gagctttttg tcatcacctt tgtcatcatc tttgttatca 180
 tcaaaacatc tttgaaccaa tcttgattca tcatgaagct ttgcttctac accaagggca 240
 ttggatagaa gactccaaga agattgggcc agagatgaaa gagaaggccc taggattctc 300
 atgagcctta nggtagattt tgggcccatt gactaagtat gaacctactt atctttgtac 360
 atatcagatt aagggttcac tatttctggg cttgtactta nggctccata gtgtaaggag 420
 ggtaccctag taatgt 436

<210> 7663
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7663

agctntcaat cttgtccaaa agtttctcat gttactgctt ctaaaagaat ttttaagatat 60
 cttattggaa ctactaatca tggcctacgg tttgagaaaa gggctctgagt ttaatcttga 120
 aggctattgt gatgttcatt tttatgggtga taaagtagaa aggaagagca ccagttgtgc 180
 ttgttaattt cttggaaaat cactagtttc ttgggtcatct aagaaacaaa gcacaattgc 240

cccgtaacc tcaaaagctg agtatgtctc agcagctggt tgttgctgtc aaatcatctt 300
 gatcaagcaa caaatgttag attattcact agaataggct aaaatatgca tttggtgtga 360
 caacacgagt gccataaaac catcgaagaa tccaatccaa cattcaaggt ccaagcacat 420
 tgacatatataa cac 433

<210> 7664
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7664

agctntacat gtaacacttg tcactatggt attataagaa actgcctttt ccttctagca 60
 tctctcatgc atctcatggt tttgatttac ttcatatgga catatggggc ccgtgttcaa 120
 aaccatctat gcatgggtcac aaatacttct taacaattgt cgataatcat tcacgattta 180
 catgggtaca tctcatgcat aataaagctg aaacacgacc cattatcatg aatttcatta 240
 cgtccattga aaccaatat gatagcaaag ttaaaataat aagaagtgc aatgggcctg 300
 agttcatgat gcatggcttc tatgcttcaa agggaatagt gcatcaaacc atgtgtgtag 360
 aaacgcctga acaaaacggc atagctgaac gaaaacatca acacttactt aacgtcacac 420
 gtgc 424

<210> 7665
 <211> 358
 <212> DNA
 <213> Glycine max
 <400> 7665

gtatcagtta gatctttaag tgcagatttt caggataatg atagatctca tccagcgcaa 60
 gttgttgtag ccagatacgc cacactgcta tttaaacatg aaggctgcac gagttttcta 120
 ccaagtccga gattgaagag ttattttgtg agttttggga cttgagtgtt ttgtgagcca 180
 ccttgatggt actctaacat caagtgttgg acctgagtggt gtagagttga tctcttttgt 240
 tcagagagca atctctggtg tgtatttgaa ttaattgtaa acacggcagt gtgtttgaga 300
 gggagtgaga ggggattctc atatctaaga gtggctctta tgtagaggtt gcacgggt 358

<210> 7666
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 7666

ttctagcatc tcttatgcat ctgatgttta tgatgtacat aatatggaca tatggggccc 60
 gagtacaaaa ccatctatgc atggtcacaa atactttcta acaactgtcg ataatcattc 120
 acgatctaca tgggtacatc tcatgcatag taaagctgaa acacgaccca ttatcatgaa 180
 tttcattacg tccattgaaa ccctatatga tagcacagct aaaataataa gaggtgacaa 240
 tgggcctgag ttcatgatgc atggcttcta tgcttcagag ggaatagtgc atcaaaccat 300
 gtgtgtagaa acgcctgaac aaaacgggat agctgaacga gaacatcaac acttacttaa 360
 cgtcacacgt gcacttttgt 380

<210> 7667
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 7667

agcttcatgc ttaagtatgt atggcaaadc ttcattactg gggatcaaca catacaagtg 60
 agcttgtaac acatgttcta gacttggagt tatcacatgc agtcctcttg aacccttacc 120
 acccaccctg tcatcatgcc gagactcacg aaggccaaca agtttagcct tctcaatgta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
 acgatataga ttctttgtat acccttttaa gatcttcatg tagataaaca ggaccacaac 300
 atttgatttc tctgaacaga tgcacaatca agtgaatcat ggtgtcaaag aaagtagggg 360
 aaaaata 367

<210> 7668
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 7668

agtctcacga ttgtcacgtg ctcatgcatc aattgttagc cgtggctata cgagacatct 60
 ttccaaacaa agtcagggtta gcgataactc gcctgtgctt tttcttccat gctatattta 120

gcaaagtcac tgatccagtc atgtttgttg agttggaaaa tgaggccaca attatactgt 180
gccagttgga gatgtatctt cccctgtgtt tctttgacac catgattcac ttgattgtgc 240
atctgggtcag agaaatcaaa tgttgtggtc ctgtttatct acagtggatg taccgggttg 300
agcgatacat gacatatcta caacgggtata caacgaatct atatcgtaac atatcatcta 360

<210> 7669
<211> 353
<212> DNA
<213> Glycine max
<400> 7669

agcttatata ttaaattgtt ctgagtatct ataagttaaa ttacataaat taatatataa 60
atcattttaca taaatcattt tatgttatct atacacattg cgtaaattta tactaatata 120
taaattatct aaaataatta aatattgaaa tgggtattaat tttctaagta ttataaaaata 180
atttacatat taaaaatttt taagtaattt ttattaacta ctttcaataa tttatatataa 240
taattttacat attaaattat gtgactatat tgattaatat aattagaata aaaactatct 300
tttaaattgag gttttatagt ttaagggtat gttagcttct taaaagtaat att 353

<210> 7670
<211> 435
<212> DNA
<213> Glycine max
<400> 7670

agctttgagt gtggttgata acgagaatat tttatttatt tcgatagcca attttgacta 60
aaaatgatta caatttcttc attctattgt taattctaata gaaataatga agaaattaat 120
atctttgtaa ttttttatca acagaagttg aaagaagaag attccaaatg ttttggagga 180
aaattgatgc aaaaactgga atgtagctct ttcttattat ctatttaatg caatcttggt 240
tctatttctc tttatgtgcc taatgggttg atatgggtct gtcatttata tagcatgtag 300
gggattatgc aataaaaaat agttattttc taaagaactg aaaaatggta tctaaatgaa 360
atcattccta gaaatacatt gatattcatt taacgcattt catgcatcta tattcgtaac 420
gcgatttatt atttt 435

<210> 7671
 <211> 485
 <212> DNA
 <213> Glycine max

<400> 7671

ctcagcttat aaggccttgt atggtctgaa acatgctccc agagcttgta acaagagaat 60
 agacaccttt ctcttgcaaa ttggattcat gagatgcact actgaatatg gtgtgtatgt 120
 taaaggagaa agtctttcag ataccctcat agtatgttta tatgtggatg atttactgat 180
 aacaggaaag gattgcagtg ctatctcgac attcaggcaa gtgatgaagt ctgagttoga 240
 aatgtcagat cttggagaat tatcatatct tctgggcata gagttcaaga ggacaaaggc 300
 tggaattttt atgcaccaa gcaatacac aattgatgtc ctaaagaggt ttcagatgct 360
 tgactgcaac tcagtttcaa ctctgttga aactagtgtc gtgctggatc aatctgagct 420
 tgataaattg gtggataaga ctatcgtcac acaaatgggt ggctgtttga tgtatatatg 480
 caata 485

<210> 7672
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 7672

agctatgaga gatatactgc cccatgtatt tcatcaacag tgggaataag aaagccatct 60
 ttgattgtga tggcattcaa ggcctgtaa tctgtgcaaa atctccaagt gccatccttc 120
 ttcttgacaa gaatgattgg agatgaaaat gggctcgtgc taggggcaat aatcccttcc 180
 ttgagcatgt cagctatcat tacttcaatc tgatccttcc ggctgtgagg atacctatat 240
 ggcttgactt ttactgagcc aacaccttca accaatggga ttgaatgatt gcgaattttg 300
 ctagggggta atcctgatgg cacatcaaact actgttctat aagtgtaaag tatcatggcc 360
 agttctagtt ccatatcaac cgggatatct aataattgat cctgaggacc atccaacctt 420
 gagta 425

<210> 7673
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7673

taagaatatt ntccttttatt atatagattt tatgaatttt catttatata attntaatta 60
agttaacttc aaaagataag attgagaatc tccttaatta gttntgaaat tagataagat 120
ttataaaaga tgtaaatggg tttagtagat aaaattctag atttttgtaa gtgccttatt 180
aataattaat aattgattat ctaatcgata ataaatgaat ttatcactgt atgtgggcaa 240
tcaattacaa caaaaagaat ttttaattgat tattttgtgg gataatcaat tagtggagtt 300
ggcaattgat tgttcattct atattatccc aaaactagtt ntccataaat attatcaaag 360
agcacttaat caatcctaat tgtacattnt ataaatagat ntatcaatgt ttaac 415

<210> 7674
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7674

taatcagttc anaactaaga tattgttgaa ctggtaatct tttaacagggt cctgtaattg 60
attactagag agaaaatgaa catggccttt tgaaattntg aactgggtgga ataacaacac 120
anatttattt gaattatgat atgtgtaatc gatgaccaga atactataat cgattaccag 180
caaagacatt ttagaaaaac tctgagaagt catgactctt tagaaatata actatgtaat 240
cgataaccaa aatcctgtaa ttgattatca gtgaaaaagt ttcaaaaaat gttttgaaaa 300
gacacatctc ttctaactgt ttttcaacag gcacaatgag cctatatata tgtgtgtctt 360
tacttcgaan aagagagaga gagagagatt ntctaagaga acttaattgt caaattctct 420

<210> 7675
<211> 399
<212> DNA
<213> Glycine max

<400> 7675

tgcagtctgc tgcttgcaac accacacctt atttgttacc attttcacac cacgtgcata 60
gctctaacgc ctgatctcta ttcctattag ttgcacgagt gatctctgta gtcttattaa 120
cccgggggtg tgggcatgc atctttctag gactctttcc aagttgttga ggcattgacat 180

gaacgaatct ccaaatatag aaaaatcatc aataaatacc tctatgcatg ttaataccat 240
 gtcaaaaaaa gatggcattc atacaccttt ggaatgtgga tgggtgcattg aaaagtccaa 300
 ggggaattct ccgataggaa aaagactccg aatgggcaag tgaaggttgt tttctcttga 360
 tcctctcgat taataagaat ttgattatac cctgagtat 399

<210> 7676
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7676

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 canataagaa aattaaattg aaggaaatta atatattaag attcaacgat aaatactttc 120
 aatgcacttt tagtttaatt atttattaac tctctttaat tgaaaataat atagttcgat 180
 ttaatatgta catgttttgt gccatgtaa tattaatatt gtgtgatgtt tatatgattc 240
 atgagatgtg ataacatgtt tcattgagat tataacattg tgattgaaaa taaatataaa 300
 tgtttgatta atacttgatg tgatattact tgtgttgtga cttatgaatt gtgaattata 360
 caataattcg actggtgttt actttgagaa aaatgtttat gtgc 404

<210> 7677
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 7677

agcttctggt gggacatctt gacttgctct caatctgaca ttcaccacag attctgcctt 60
 cttctattat cagattgoga atgcctctaa cagcaccttg gtcaatgatt atcttcatgc 120
 ctcttaagtg cacatgtcct aatctttgat gccatattct gactttatct tctttggagg 180
 atagacatgt ggaggagata ctggtttctt gacgtgctca taggtaacag ctgtactttg 240
 atctgtgcc cttcattaca acttgactgt tctcatttgc tccaagcatt ctgactttgc 300
 gatgttacat tcgtattctt cataagacat ctgactgatg ctgacctagt tcacataact 360
 tcacctcttc ctcatcact attcactttt taattatcaa 400

<210> 7678
 <211> 451
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7678

tggtatctaa tgagagtatg caagtttcat cctaagctct tcttgaaaag gatcgtaatg 60
 ttgagattgt gatagataag atgatatctt ctcttgcaac agttgttact cgagagcaag 120
 tattggatga ttctattagt gggaaaatag tttatattga ggaaggcact atccatttaa 180
 ttgaaaagta taatcagatt ctttctgaaa tttatcaact tgggcaatct ttctctgagg 240
 taggcttgga tactaacgag catgaatacg ggaacatact cgctgatgct cgtggtgggt 300
 tactggagct caaaaaaaag gaaacagaat tggttgaaaa actggctcat ttataagatg 360
 agaatcagaa aatgggtgat gagcttgaca agggataggt gatgataagg acattaaata 420
 ctgaacttgg aaatctgana atagaactcg a 451

<210> 7679
 <211> 419
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7679

actttcgagc ctcacgatat attacgggac tctttcaaac atccgagaaa aaagttatta 60
 tcgtttgaat ntgctcagag gttcaacatt caatttcgag cgtctcgata tgttatggga 120
 ctcaatcaga tatccgagta aaaagttatt gtogtctgaa ttggctcaga gcttcaacat 180
 tcaatttcga gcgtctcgat atatgacggg actcaatcag acatccgagt aaaaagttat 240
 tgtcgtttca attggctcag aggttcaaca ttcaatttcg agcgtctcgc tatattacgg 300
 gactcaatca gacatacgag taaaaagata ttgtcgcttg aataggctca nagcttcaac 360
 attcaatttt gaggggtctcg atatattacg ggactcaatc agacatccga gtaaaacgt 419

<210> 7680
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7680

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aaagacaatc tggacatttt tctttgaacc agaaaagga atgtggttgg attggagtgc 60
atgtangaga gtaagggatg ctgggtgacc atategttgg tgccataatt tgatggatga 120
attggaacaa atgaaggagg cagatgggtt ggggtgcagtt gggttaaact tgtacacatt 180
gtcttcattc aatccttgca gaagaagctc cctcgttcac aggtccttta ccttcattca 240
atccttgcag aagaagctcc ctcgttcata ggtcctttac ctcaaaatgc ctaaganaaa 300
attcaatgga aactatgtta gtttggcaca gatgatagac ggatattcat atttgggtga 360
catttggaac ataaagaata tttganagcc ttaaaggaga accattagtg ggaatattgg 420
tggagccaat ataagtaata ngaagttgat tacc 454

```

<210> 7681
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7681

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ccgtgtcaga gacgccagtg gcttcagtaa tgagaaagcc tccgctggaa gttctctggg 60
agtattagag gatggcatgg ngttgtggga cgttgtcgta agacctctgt ctggtcagcg 120
gtgccataac aactctgcaa gcaaaattaa tcagcaattg aaatctatgg aaataggaag 180
gaaaaaaga gatagagata cctatgggac agatagaatg tgcccatctt 230

```

<210> 7682
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7682

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gctctcgata tattcanatg gtcttaatct ttcacatgaa tgtccgattc nggcgcataa 60
tatgtcgaga agctcgaaat tgaacaacgg aagctcttga gaanatcana tggtcataac 120
ttttcacacg gatgtccgat tcaggcttat aatatatcga tacgctcgaa attaaacatc 180
agaaactctc gcgaaattta catggtcata actnttcaca cggatgtcca attcaggcgc 240
ataatatgtc gaga 254

```

<210> 7683
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7683

gctgtacctg agctctatct caattttggg ggcctctgga ggtcttattt tanggtcact 60
 gacccattct accactacaa acctaagaaa ctatatatct acacanaagg acacttctct 120
 atatttgcct agagggtgtn ttcctaagga ctaanagaac tngcctgaga tgcctaagt 180
 gatcatctan gctcctaagt tacactanaa tatcatcaaa atanacaact acaaactctac 240
 ctatganatc ccttaagaac atgatgcata agcctcat 278

<210> 7684
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7684

aaatattttt attatggaga aatagaaatc tattaactaa tatgattatt tattgacttt 60
 attatcaaac ttagttagt tctacattac aatattattt aatattacac atatttttta 120
 ttgttcatta tacacgcatt taatcattta ttctatattt ggataagtct caaacgaata 180
 nagtcattgt taaaacaaac aatagtgtaa ttaaactaat ggacaaaaaa ttaatagact 240
 aattattttt gtttgagaga tttttgcgga gtattttatt atttgagtgc tttcattagt 300
 cttaatattt tatattttaa agcactatat aaattttggt aata 344

<210> 7685
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7685

gtctaaacca ttaaagtatg tggtcttgga ggtgacacc anacctatag taatcagtaa 60
 tgcactaaca tangaagaag agaatagggt ggtggacatc ctgaggaagc ataaggaagc 120

aatcagatgg catatatctg acttgaaggg aatcagtcct tcgtactgca tgcataagat 180
aatgatagag gacgaataca agcctattcg acaacctc 218

<210> 7686
<211> 243
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7686

atgataagag caaagaaata atannattgg anatctcttt tgttagctca ctanaagggtg 60
atacttanaa gcaaactn ttcaagtntc anaactgtat ataaagaatg tatacttaca 120
gtattctntg tcaatacatt aagtgaatcc tcatgaaacc acaatcgact gcgcttccca 180
ggtttctttg ttgaactttc acgaattatc tctcttccca tgtctcgtag taatggatgc 240
att 243

<210> 7687
<211> 248
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7687

actttcatat tcttcaccaa tccagccaat gtatgatata tgccctcaat ntcaggatgt 60
gacanacaac caacaagata ttcatgtaca gctccatcca caataatcca actacttntc 120
ggttgcttct tgacccctt ctctttcatt tccagccgca gctccgagac atcactccat 180
tgattatcag atgcaagtgc attagccaac ataacatagc ctgcagaatt atctgggtct 240
acttcaac 248

<210> 7688
<211> 321
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7688

tctgaattct gttctatgct cagaatcaga ggttcacgt gttctgagg atgtgtnggt 60
ccagaaaacc aggcagccag ggacaaagag acaagtcgaa gttgatntag atttcacaag 120

ttttgtcgag aaaaaaatat ccgatatctt ttctcctccc aggaatccca natcattaca 180
gctacctgag aatataccac ctagcattac anaacttcca gaggactgcc actatgaacc 240
agaggatctt gtcaatntat nntctttgcc ttatgtaaag ggtatttatt anagtataga 300
aatttagttc anatatctct a 321

<210> 7689
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7689

tctgtacctg tagcaagggg tttgtggttg tgctcctctg ctgaccacca tacagacctt 60
ggcccttcca tgcagcaacc tggagcaatn gaggcctg aagcttatgc tgcanatatt 120
tacaatagac ctctcaacc tcangcagca aatcaaccac agcagaacaa ttatgacctt 180
tccagcaaca gatacaacc tggatggagg aatcaccta acctcagatg gtccagccct 240
cagcaacaac aata 254

<210> 7690
<211> 365
<212> DNA
<213> Glycine max

<400> 7690
agctttaaca accatatgat gaaacacttt gttatcttgt actggtttgg ttgtgtttgg 60
cactccttaa attatgacaa atgatgtagt tccatgtaga gcttgtaggc cttggacctt 120
cttcattaat ggagtccttt tcttctagaa gatcaatggc agtggaatgg agaaggagga 180
aaggtcattg aagatgccac ttcaaggaga agatgagtca agaacaagtt caccaccata 240
ggaaaccatg gataagagct tgaaggtagg agaagatgag tagagggaga gggagagagg 300
gggccacaaa atttatgcct catatgaggt ctgaaaattg aaggataatt tcctcaatga 360
tcaaa 365

<210> 7691
<211> 482
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7691

gaatgcacta ttcaatggag ttgacaagaa catcttctta cttatcaaca cttgcacagt 60
ggccaaagat gcatgggaga tcctgaaaat cactcatgaa ggaacctcca aagtgaagat 120
ttccagattg caactcttgg ctacaaaatt cgaaaatctg aagatgaagg aggaagagtg 180
tattcatgac ttccacatga acattcttga gattgccaat gcctgactg ccttgggaga 240
gaggataaca gatgaaaagc tgggtgagaaa gatcctcaga tccttgcccta agagatttga 300
catgaaagtc actgcaatag aggaggccca agacatttgc aacatgagag tagatgaact 360
cattggttct cttcaaacct ttgagctang actctcggtt agggctgaca agaagagcaa 420
gaatatggct ttcgtgtcca atgatgaatg agaagaagat gagtatgacc tgtatactga 480
tg 482

<210> 7692

<211> 391

<212> DNA

<213> Glycine max

<400> 7692

agcttaaaaa ttcaattacg agcctctctt atattacggg actcaatcaa acatccgaga 60
aaaaagttat tgtcgtttga attttctcag aggttcaaca ttcaatttcg atcgctctcg 120
tatattacgg gactcaatca gatatctgag taaaacgtta ttgtcgtttg aattgggtca 180
taggttcaac attcaatttc gagcgtctcg ctatattacg ggactcaatc agacatccga 240
gtaaaaagtt attgccaatt gaattgactc agggttctta catttaattt cgagggtctc 300
gatataattac gggaatcaat cagacatccg cgtaaaaagt tattgtcggt tgaggtggct 360
cacaagttca acattcaatt tccagcgtgt t 391

<210> 7693

<211> 294

<212> DNA

<213> Glycine max

<400> 7693

tctctagagg aagtatggac acttcattat tcagaaagtt tgggaaagga gatctgttga 60

ttgtacaaat atatgtagaa gacataatct ttggcgctac cataaaaaatg atgtgcaagg 120
gttttttctca gctaaataaa agtgcataatg aaatgagctt gtacggagag ctaaagttct 180
ttctggggagc ttataatcat gctaaaagag gatgtcatat tctttcatta agagaaatat 240
acaaagcccc ttcttaagag gtttcgaatg gatgaagcta aacatatggc tact 294

<210> 7694
<211> 565
<212> DNA
<213> Glycine max
<400> 7694

ctgcagcttt acttccagga atttctcttg ttaattcctt catctgactt agcatcaaac 60
tttcctaagt tttcttttcc attgtttaat acaaagcatt tgcaaccaa aacatgaagg 120
tgtgaaatgt tatgttttct accattaaac agttcatatg gagtttttct taaaatgggt 180
cttattaaag ccctattcat gatataacat gtagtattaa cagcttcagc caaaaatat 240
tttggaagag gagtgtcatt taataagggt ctagcaattt cttccaaaga tctatttttc 300
ctttcaacaa ctccattttg ttgaggggtt ctaggtgcaa aaaagttatg ttcaatgtca 360
tgcttatcac aaaatagttc aaattcttta ttttcaaatt caccatga tcaactctaa 420
tagatataat tttgagattt ttcttggtgt gaatcatttt ttcaagattc ctaaagctt 480
caaaagcatc attcttatga gtgataaata gtgtccaagt gtatctagaa tattccatca 540
ctataacaag ggcgtagtaa ctttc 565

<210> 7695
<211> 446
<212> DNA
<213> Glycine max
<400> 7695

agctgtacct atctttttac tatctttttt ttatatccct aaaaaagtgg tgcaaaagat 60
tgtattcatt cagagaaatt tcctttgggg aggtcatcat gaggccaaca agattccttg 120
ggtgaagtgg gacacagttt gcctttctaa aaataaaggg ggccttgagg ttaaagattt 180
gtctaaattt aatgaggctc tacttgacaa atgggggcgg gagctggcta ataattataa 240
ccaactttgg gcaagaatct taatctccaa atatggtggc tggaaggagt tgatctctgg 300

tggaagagc aaattttcct ctcataaggc gcaagaccta aaggttgtct ttcagcagca 360
gcctcaagtg gaggggggct gtggtcccaa aattaatttt ggaggataag ggctggggga 420
taattaactc tccagccaaa attcta 446

<210> 7696
<211> 366
<212> DNA
<213> Glycine max

<400> 7696
agctttcttca gaaacgtggc atttgtgctc aatacacaat gtccgttaca ccacaacaaa 60
atggtgtatt agaaaggcgt aatagaactt taatggatat gattaggagt atgttaatca 120
atttgacttt acctgtatct ttgtggatgt atgccttgaa aactgccatg tatttggtga 180
atagggttcc tagtaaggca gttccaaaga cacctttgaa ctttggacaa ataggacacc 240
tagtataagg cacctgcatg tttgggggtg tcaagcaaaa ataaagattt ataatccgca 300
agaaagaaaa ttggatgcaa gaacaatcag tggatatttc attggtgtcg caacatgccc 360
ttttgc 366

<210> 7697
<211> 498
<212> DNA
<213> Glycine max

<400> 7697
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agctttcggt gttcaatttc gtgcagctcg atatgtgata caccagaatc ggacattcga 120
gtgaaaagtt atgaccatat gaatttcttc atagcttccg ttgttcaatt tcgtgcatgt 180
cgatatgtga agcacctgaa tcggacatcc gagttaaaac ttatgaccat attaatttcc 240
cgagagcctc cgttgttcaa tttctagcgt ctcgatatat taagcgctg aataggacct 300
ccgtgtgaaa agttatgacc atttgaattt ctcaagagct tccgttggtc gatttcgagc 360
atctcgatat gtgatacacc agaatcggac atccgagtgaa aaacgtatga ccatctgtat 420
atcttcatag cttccggttg gaatttcgtg catctcgata tgagaagcgc ctgaattgga 480
catccgagtg aaaagtta 498

<210> 7698
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7698

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 gatcaatata ggtgaataat atttttttgc cgaggtgggc taatgttttc ctggccgaat 120
 aaatgggaac atgccagttt cggccgaaac gaaacatcgg ttgagctcgc acgaaaaaac 180
 ctagccgact tacattgtaa gttttttatg caacaccgaa aaaaacaaaa tttcccctgc 240
 cgtaagaaaa aacattatcg gccagcgagc gcgggacttg aaattcaagc tccaaaaact 300
 aacccaaggc aacaaggggg ttgaggagta tttcaaggaa atggatgtgc tcatgattca 360
 agcaaataat gaagaagatg aggaggtaac tatggctcga tttcttaatg ggttgactaa 420
 tgatatccgt gatattgttg agctgcacga gtttggtgga atggatgatt tgcttcacaa 480
 agcaatccaa gttgagcaac aat 503

<210> 7699
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 7699

tcgattacac acatacagtt atcgattacc agtattttctt tttcaaaaaa tattctcaac 60
 agtcacatct ttttatgtgg ttcttgaatg gctatcaaag gcctatatat atatgtgact 120
 tgagacacga attttataag agtttttggg gaacaaaaag gtcttatact attaaaaagc 180
 aaatcgtgtt atcctcttac aaattccttg gccgaattac atgtgattca ataaggaatt 240
 atttgagtgc tcaaattggt cagactatct ctttcaagag agatttcttc ttttcttctt 300
 cttcattctg aaaagggtt aagagaccga aggtctcctg ttgcgaaaga attcttcaca 360
 caaaggaagg gttgtccttg tgtgtttgga acttggaaga ggaatttaca tgatagtggg 420
 acttttaatc gggatgcttg gggact 446

<210> 7700

<211> 220
 <212> DNA
 <213> Glycine max

<400> 7700

tgagtgacta aggggggtcc acggatggcg gagttcctac ttgatccaac gatggcaaaa 60
 atgatggtgg cttcagaaaa ttacaagcgc tcatatgata ttatttctat ggctgctatg 120
 atctactgtt ggaaactcaa tattttactg cccaaaagat gaacatgtac atgccgacta 180
 cgcatggatg ctttttcaca ctggaaatgt tcgagaccat 220

<210> 7701
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 7701

agctttgatc tgcctctata ttttcaatct tttcatcctc cctccagata atgagtttct 60
 ggtggagagt agatggcaca gcccgaactc catggatcca ttcccttcct aatagcaagt 120
 taaaattagc cttggactgt atcaccagga atagagttgg tcgaactata ctgcctacaa 180
 caacatctac ttgaatggct cccaaagaat agccagtttt gccctcataa ttcgaaagca 240
 caatgttggtg ggcagataga tcagtgtcat gtttcccaat cttgtagagc atagatcgag 300
 gcattaagtt aacagccgct cctccatcta tgagcacttt gttgattcca acattctcaa 360
 cttttgccct gatgaaaaga gggttgagat gacttttcat tcgaaaatct ggcttttcga 420
 aaaggcta at tgtcttccac acagcattgg tctaacatag agcatactgg ctttgggtaa 480
 gcatataaaa tgatcaacct ccct 504

<210> 7702
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 7702

agcttgctga ccattgacag attactttta ttgaagcatt caagtggaca tcagaggcag 60
 agacaacatt tgttccattg cagaaagtca tgacttcagc ccccggtgta gctcttecta 120
 atttcgagct gcccttcatt ctggaaactg atgcttcoga cactgggtatt ggagcagtat 180

tacctcaaaa tggccacca atagcatttt tctccaagaa acttgcacct agagtgcaaa 240
 agaaatctgc ctactttaga gagatgttag caattgctga agctatagct aagtttagac 300
 actacttgct gggacacaaa tttattatca gaactgatca aaaaagcttg agatcattga 360
 tggaaccacc cctacagaca cctgaacaac aagagtgggt acacaggttt ttgggatatg 420
 atttgtgatt gatac 435

<210> 7703
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 7703

agcttcaggc tattcaattg cttcagtttg ctttttctta atggcaaagg tctgtgtggt 60
 ggtcggcaga agagcacaag aaaatgataa tcttcccaaa gaatggaaaa cttcaagaaa 120
 tcatcctctt gacaatatca tcggtgatat ctcaaaaggg gtaacaacta gacactctct 180
 caaagattta tgcaataata tggcatttgt ttcattaata gaacctaaaa actttaagga 240
 agctattata gatgaccatt ggatagtagc tatgcaagaa gaattaaatc aatttgaaag 300
 aaatgatgta tgggaattaa tagaaaaacc tttagattat ccaatcatag gaactaagtg 360
 ggttttttaga aataaaaattg gatgaaaaat 389

<210> 7704
 <211> 552
 <212> DNA
 <213> Glycine max

<400> 7704

agcttgatgc ctgtacaatc ttatactttt atttctaggc cttgttcagt ttgatgctgt 60
 gaggacactg gacaccaatt ttcttgtatg tttcttaggg cctgttttagt ttaaggaaat 120
 gattttgttt tcattagtaa ttaattacaa aaaacaggaa ataaagtga aataaagtga 180
 cacttgtagt tatttgtgaa aacagaaaat gagataaaaa catttcctga gaccaaacag 240
 gcccttagaa taagcataca tcttaaaacta gattatcttg tcttacatga attaatatgg 300
 tcttgcaggc ttacattat tccttggatt cctaattgat cgtaccacc attatcttca 360
 aaagcttatt aatttaagga gtaatgcggg agcttcaaaa gaagaattgg aaaaccttaa 420

aaaagaaact gtccaactta aagaaaagga tgagaaagca tccaaggaga ttaaacagct 480
aaaggaagaa ctttcacatc tgtccaaaag tttggaaaag ataaaattgg gatctgaaga 540
gaaagataag aa 552

<210> 7705
<211> 460
<212> DNA
<213> Glycine max
<400> 7705

tagttggaca tctgttgagt atgtgaacag cagtgtagac tgcttcagcc cagaatgtgt 60
taggtagccc cttctccttg agcatcgatc tagccatttc cataattgcg caattctttc 120
tctctgacac ttcattttgt tgaggaaaat atgtgactat aagttgtcgc tcaatgcctt 180
catcctcaca aaatctttca aactcgcgag aggtgtactc tttgccgaga tcacttctta 240
atacttttat ccgttatcca ctttgatctt ccgcagggcc ttgaactttt tgaatactcc 300
aaagacctct aatttttctt ttatagaata taccctgtc attctacaga actcatcaat 360
gaagagtatg aagtcctgtg tgttctcatg cgatggcata ctcatggggc cataaacgga 420
cgtatgtatc agcttcaata gatctttcgc tcttcatgct 460

<210> 7706
<211> 325
<212> DNA
<213> Glycine max
<400> 7706

atactcacgc tctactatgc agagaatatc caaggaaaat accttcatct ttcttatcat 60
caaattttcc taagttatct tttccattat tcaatacaaa acatttacia ccaaagatat 120
gaagatgtga gatatttggg tttctgcat tgaacaattc atatggagtt ttctttaaga 180
tgggtcttat taaagcccta tttaaaatgt agcatgcagt gttaacggct tcagcccaaa 240
aatattttgg aagaggtgta tcatttaata aagttctagc aatctcttcc aaagatctat 300
ttttcctttc aacaacacca ttttg 325

<210> 7707
<211> 299
<212> DNA

<213> Glycine max

<400> 7707

ttttttttcc attacccttc taaaaagggtg gggaaccaac cccccaagga gaaataagtg 60
caagggaaga gtaatagacc agaccaaccc acacaaatga aatgggccct ccgcaacaag 120
tcattccataa tatcaaataa atcatcttca tcattgggga atttaccaag agccataggc 180
ataggggagtc ttctattcaa ctacttcaac catttcccaa cacctcaaca ttttcatagt 240
tgctcaagtt tccccaaaaa ggctccatac tcaatgcctg gataggaaaa taagaaatt 299

<210> 7708

<211> 344

<212> DNA

<213> Glycine max

<400> 7708

tgccgcaaat gcaaacggca ataacgtttt actcggatgt tcttttgagt cacgtaatac 60
atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttcaaacgac aatacathtt 120
aactcggatg tccgattgag tcccgtaata tatcaagaca ctcgaaattg agaataaaaag 180
ctctgaacaa attcaaacga caataacttt ttactcggat gtccgattgg gtcccgtaaa 240
attatctaga cactcgaatt tgagaatgga agagctgatg caaattcaaa cgacaattac 300
tttttactcg gaatgaccga tggagtcccg agcgcttgat atat 344

<210> 7709

<211> 413

<212> DNA

<213> Glycine max

<400> 7709

agctttaact cggatgtccg attcggtttc ttttatatct agacacttga tattgaataa 60
cagaagctct cgagaaattc caatgggtcat aacttttcac acggatgtcc gattcgggag 120
cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat tccaatgggtc 180
ataacttttg actcggagga ccgattcatg cgcataatat atcgagacgc tcgaaattga 240
acaacggagg ctcccagagaa attcaaattg tcataacttt taaactcaga ggtccgattc 300
aggcgcataa tatatcgaga cgctcgaaat tgaacaacgc aagctctcta aaaattcaaa 360

tggtcataac ttttcacttg gaggcgccat tcaagcgcat cttatatcga gac 413

<210> 7710
<211> 423
<212> DNA
<213> Glycine max

<400> 7710

tgaagaaaa atggttaaaa gccaaacttc aatgctttta ttttcctatt tcctttctaa 60
attggtgttg aaccaacccc ccaaggagaa ataggtgcaa gggaagagta atagaccaga 120
ccaaccacaca aaaatgaaat ggtccctccg caacaagtca tccataatat caaataaatc 180
attttcatca ttggtaaatt taccaagagc tatagtcata gtgattcttc tattcaacta 240
cttcaaccat ttccaacac ctcaacattt tcatagttgc tcaggtttct catagatagc 300
ttctatactt taatgcttgt ataggaaagt aagatattga agtttttggg ctttatgtgg 360
aatactctgt catgggttat ggaagctgct gctatcatgg ccataggcat gacacatggc 420
aca 423

<210> 7711
<211> 328
<212> DNA
<213> Glycine max

<400> 7711

gacactatat aatactcccg cttttagaaa atgtcgatgc cgagtgtgta ctatatTTTT 60
tttttgtagc agttgtacga aacctgtgtc gactcaaat tcccgtatgc tggaaagtca 120
tttatggtac aaaatagcat tgcgcgcaac ttgaatgttt catttcgata cccatcaaac 180
atgaaaaccc ccttgtacaa caacttgctc gagtctttta tcaagggact gagataagca 240
tcgatgtcat ttctgggtg tcttgggctt gatatcatga tataacaacat tatgtatTTT 300
cgcttcatgc acaatcaaag atgcaagt 328

<210> 7712
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7712

gacccgcacg catgcaagct tattgaaatc tagaggaact tcttaatggn gttgtcaaca 60
aacacttcaa aaagtgcctg gattacctgg gaaagagtat gctcacccaa agaaaaagggt 120
ggccttggga ttaaaaatct ctaccttttt aatataagcc tcttatctaa atggaggcgg 180
agatttctcc aataccactt tgtagatagg tcccctctta ttacattcag atatggttgt 240
tctttctctg atctatccca tctggcccac aaaattgggt tgcttctaac atgattcgca 300
atgtcggcga tggctcccaa atgaaattct ggtatgctct ttgggttggt gactcatgct 360
tctcacactt ggtctctcga ttgtctcaga gagtgacacg gctttcttgt acagt 415

<210> 7713
<211> 293
<212> DNA
<213> Glycine max

<400> 7713
cggattgata cagaccact aatggtggat ctcttcctaa tacaactcga aaggggtcat 60
taccaaactt tccttaacaa aaggagcga ccaaaaatga gcccaacgaa gcattcaaac 120
ccaattttgt ggatggccaa atacaacaca ccttcaatac atgtgtaatg gcttattaag 180
atactcagac tgcccatccg atagcggatg agaagaagac ctcatggaca atattgtgcc 240
ctgagatata aataaatgat gaaaaaatga actaatgagg actctgtata tat 293

<210> 7714
<211> 422
<212> DNA
<213> Glycine max

<400> 7714
gtatgactat tgatgccgat tctgtttttt ttgacagtgc atcagacaac aatcccatc 60
tagcatccat gccttacttt ggagtgattg aacaaatctg ggagcttgat tatattgaat 120
ttagagtgcc tatgtttaag tgtaagtggg tcaatgccaa tacgggtgta cgccaagatg 180
aattgggatt taccttagta gacctcaata aggtggctta catggatgaa cctttcatta 240
tggccaaca agcaagacag gtgttttaca tcgaagatcc ttgcgattca tgatattcgt 300
tggttctaca aggaagacca agtgggttaa tgacacacat gatgggtcca tgcttgacat 360
ttgtgagaca ccaccttttt caacaagaat gccttatatt aatgagttac actttgttga 420

<210> 7715
 <211> 534
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7715

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ttcctctccc aggaagacaa tttgtgnttg tctgacattc ctacttgggg cttatggtat   60
tactaccctt ctatgcagtt gttgggacac atttttatat gaagttgaca aaattaagaa  120
tgaatgagtt gaataatttc aggggcttga tctgcatatt tctgaaattg agcaattgtg  180
cgcaaaattc ccatcaacaa ttgtattgct tgatcacttg ggatttcctc atgaactttt  240
atatcaagga agcaagcat gcataaaatt ttcattaatt acatttttgc tatacagctg  300
attctttttt ttaatcagac agcaaacata aaattcacag atttgtaact cttgtacatg  360
cttattcttt ttttactgta aagaagccat gcattctatt agcaatgaga tctctttgcc  420
tttatcagat ntagagtgga tcatggggag gacagctaca caactctttc aaaaccaatt  480
gactccggtc aagagttgag agccgggatg ctgtttgatt gtattaaaag tttt      534
  
```

<210> 7716
 <211> 643
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7716

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agctntgagc caaaatcctg acttacctat taccttgacc cagcgtgaga atgtcaatcc   60
ttaccctcgg aagcaaaaaa gaaaagaagg aaaatttcca atcaaagaga aagcaaaaag  120
aaaagaagga aaatttccaa tcaaagagaa agcaaaaaga aaagaaagaa aattcccgat  180
caaagaatgg gagaaagtaa aaaaaggaag aagaagaagg aaagaaagct cctgatcaag  240
gatcgaaaga aacagaaga aatgtgcaga aaggtctttg gaccggacaa tatctgaaca  300
atacagaatt gtcaccaaat gaacgaaaaa aaggaaagga aaccatgacc taaagtgggt  360
ttctcccttt aattgccaac caagatattg tgtgctagcg acttttttgc cccgcactan  420
acaaaaacag aaaaggaaaa aagccagaaa aagggccaaa aaaagaagag gtcaaaagcc  480
  
```


aaaaaaccca ccaaaagaac ccgtttccaa gggaagtcct attgatccat gatcacgcat 540
gtaatctttg atttgatagg aaatgatttg caaatccagt catgacatat ctatgggtcg 600
gaatttgaa acaacactaa cctgggagag atttgtacct ttt 643

<210> 7717
<211> 539
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7717

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ctttgtgtcc agttttcttc ttaattgac cggaacatgc ttgaagcaca agcatccaaa 120
cacccttagg tgcttgagac aaggcttact tccactccaa gtttcttcag gtgtcacatt 180
ctctagcctc tttgttgaa atctgttgag cagataggct gctgttgaca ctgcctcacc 240
ccaaaactcc tttggcaagt gaaaattcct tagcatacac ctggatcatgt tgactatggt 300
tctattgagt atctcaaata caccattgtg gtgtgggtgca tatggagggtg tgatcttatg 360
aatattacct tcatcctcat anaatttctt gaatacatgt gatgtgtatt cactaccacc 420
atctgatctg agtctttgaa tctatttct actttgtgtg actcccatca ccttgaatct 480
tttggaggag agaaacactt cactcttcct gcttaacaag tagatccaca cccttcttg 539

<210> 7718
<211> 550
<212> DNA
<213> Glycine max
<400> 7718

agcttcttag ttccagatga tgcagattgt ttttatctac ctcatgcact cctctaata 60
ctatggcatc atttctggca ctaaactgct gggagttgga ggccatcttc tcaattaaat 120
ttttggcttc agcaggagtc atgtctccaa gggctccacc actggcagca tctatcatac 180
ttctctccat attactgagt ccttcataaa aatattggag aagaagctgt tctgaaatct 240
gatgggtggg gcaactggca catagtttct taaatctct ccagtactca tacaggctct 300
ctccactgag ttgtctaata cctgagatat ccttctgat ggctgtgggtc ctggaagcag 360

ggaaaatttt ttctaagaat actctcttaa ggtcatccca gtcctgatg gaccttggag 420
 caaggtaata cagccagtcc ttgcccactc cctctaata atgaggaaaa gccttcagaa 480
 atatgtgatc ctcttggaca tctggggatt tcatggtaga gcagacaatg tgaaattctt 540
 tcaaatgttt 550

<210> 7719
 <211> 421
 <212> DNA
 <213> Glycine max
 <400> 7719

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 gacttgatga cacatatgtt agggatatcaa tatacaacta ccaattattt cgtcagggtg 120
 atgagcctgg ttggaaaagt gaagaggtga tttggggaat gttagtagca aaggcaatgg 180
 agaaggggat tgctcaaat taagaggaca attagagaga ccacattgtt gtgagaaaga 240
 gccactatt attaatctta tgccccccc ttacaacatg cagtctgcaa attgctataa 300
 aggaggggta ttaacatccg ttacacaaga caaatcaaat gcaatgccac cttccaaatg 360
 acttatgatt caactagcac caacaccacc aatttttagca tgctgtaaa tttcacgttt 420
 g 421

<210> 7720
 <211> 460
 <212> DNA
 <213> Glycine max
 <400> 7720

cgacctttaa tactacctt cattctttgg aagttcatat ttgattggct cttcttttga 60
 ccttcattgc ttcctttcct ttttccttta gaatcttgct cataaatatg catttgttat 120
 aaagattctg caatatcatc tagaatatcc tttcttggag gaatagcatt agactcatca 180
 aaggaaacat gaatagattc ttcaatagtc atagttctct tatatattct ataagcttta 240
 ctatgcaagg aataaccaag gaaaattcat tcatctgact tagcatcaaa ctttcctaag 300
 tttcttttc cattgtttta tacaaagcat ttgcaggcaa aaacatgaag gtgtgaaatg 360
 ttaggttttc taccattaaa tagttcatat ggagttttct ttaaaatggg tcttgtttaa 420

gccctattca tgatatagca tgcagtatta acggcttcaa

460

<210> 7721

<211> 540

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7721

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tttattatta aaatgggtta atcctttgac tttacagata gttgaattct catgtaattg 120

tattcaatta tcatatatat caaataagaa agaaagatgt gtaagatttc ctttatatct 180

tcaatatgga aaagatatat aaatatgggt tcattatgag tacataagca tatttaagaa 240

ttattaaatt aataattaa atatattaa gtgggagagt catcaaacca tctgcataaa 300

gctgtatcac caaaagattt tcttctaagc gattttgatc tattttgttg tctcttttct 360

gctaaaaatg gttcctcttt catatttcta ccctaaacat tntatatcac accatccctc 420

aattttctaa tgctatggag taaaaattat cctgtgggtt tttagagaga aaacanaatt 480

atcanataga tgtaaatatt aatagaattc aattccaggg ggggagctgc tcgagcacta 540

<210> 7722

<211> 559

<212> DNA

<213> Glycine max

<400> 7722

atgagaaaaa cttaatgcat tttatattct tattttcttc ttctataaat acttattaag 60

aagtttataa aaaaatagtc tttaactaat ttatatattgt gatattcgaa agatgcttat 120

actttcttgc tttattacta catgtaatta attcgttaaa tttggtcgat gaactaacc 180

ataatatata ttgtcgtct catttttaat taatttcaca ttaattttgt ttttgtatga 240

gataaataaa taaaagtgtg tgacatactc ataattgtaa atcagatgga tctatcaaac 300

taaacaaagt tattttgagc tttaatcgaa ttaagttcga gctaaaaatt aagtaagatg 360

catatcaaac tcaagtcgat ctttcaacca aatcaattct tatatagttg acttggaactc 420

atttctacca tcaacattaa tctagaatgt agcatttaat cattttatta ttcttggggga 480

attaatttat tttatatcct tattttttta aaaaatataa taattcataa caaataactt 540

ttaaataattt acaaataaa

559

<210> 7723
<211> 437
<212> DNA
<213> Glycine max

<400> 7723

gcatgccttt agaaactaaa ttggcgagat atgttttttt gtcggggatt ggaaaaacgg 60
tggaaactgt catttggaac cactaccgga gcttgatctc tcattggtgc ctaatgacaa 120
ctggtcacaa ttaaaaatag ccaatgctat cttatctgct gcacacacaa atatttctga 180
aacaacaag ttcatggtgt taaatgtaac ccagatgacc gctcagagaa aagatgggca 240
ttcatctatc tattatctcg gtcgtagtgc gggccatgtg catcatcatc gccaagattg 300
cagccattgg tgtctacctg gtgtacctga tacgtggaat gagctgcttt atgcactgtt 360
gcttaaacad gaaactgctc acagagggga actgtaacac gcatcaatat gatttgctga 420
gaaattgtta aattctg 437

<210> 7724
<211> 610
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7724

tttgcggatt tagttttcac ggacgaacgg atcttatatt tatgaaaaga ggcaaattta 60
atcatcttgc ttggacgaat gagaaaactg gggcaaatga agaggggtgag aatgaggag 120
agacccatgt tgtgactgcc attcctatac ggccaagttt cccagtagcc caacaatgtc 180
attactcagc caataacaac ctttctcctt acctaccacc cagttatcca caaagggtcat 240
ccctaagtca accacaaaac ccaccttcca cacaaccaat gctaaacacc accttttagca 300
cgaaccaaag caccaacca ggaaggaatt ttgcagcaaa aagcctgtag aattcacctt 360
gttgacactt gtggcctcaa taatcttaag agggatatgc ttagaatgca gaagaagcaa 420
caataatcaa ttttaatatg ttctataaac atgcaaggca aaattgattg caataacata 480
aatgagataa gggaagagag aatgcaaaca caantttata ctgggtcggc cactttccgt 540

gcctacatcc agtactcaag caaccactt gagatttcac tatctttgta aatccataca 600
aagtctgaac 610

<210> 7725
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7725

tagctttcga gaatntaaaa ttgtcataac ttttctactcg gatgtcttat tcaagcacat 60
catatatgga gacgcccga attgaacaac ggaagctctt gagaaattga aattgtcata 120
acttttctact cggatgtccg attcaggcac atcacatatc gagacgctca aaattgaaca 180
acggaagctc tcgagaaatt caaatggtca taacttatca ctcgatgtc cgattcaggc 240
gcatcatata tcgagacgct cgaaattgaa caacggaagc tcctaagaaa tttaaatggt 300
cataaatttt cactcggatg tccgattcag ggcattata tatcgagacg ctcaaaaatg 360
aaccatggaa gctctcgaga aattaaattg tcataacttt tctactcg 408

<210> 7726
<211> 407
<212> DNA
<213> Glycine max

<400> 7726

agcttcccc atcaacgtta ggccctatat gtatccccat taccataaaa cagagattga 60
aaggcaaatt tcggccatgc tcgaggcaaa tctcatacaa ccagccaca gccattttc 120
ctccccaatt cttctcgtca agaacaaaga tggctcatgg aggtgttgtg tggactatcg 180
cgccttgaat gctgtcacgg tcaaggaccg tttcccatg ccgacaatcg atgaactttt 240
ggacgatctg gggcaggcgt cgtgcttctc caagctcgat ttgcgttaga gatttcatca 300
aatccgatg gccgacgaag atattcataa aacggctttt tgaactcatc tgggccatta 360
tgagttccga gtcatgccgt ttggactcag taactgtcg tcgacat 407

<210> 7727
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7727

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agcttcagtt atccatttcg agcgactttt tatatacagg actcaatcag acatgogagt 60
aaaaatttac tgtcgtttga atttgctcag agctacaaca ttcaatttca agcgttccga 120
tatattacgg gacttaatca gacatccgag taaaaagtta ttgttgtttg aatttgctca 180
gagcttcgat attccatttc gagcatctcg atatattacg ggactcaatc agacatccga 240
gtaaaaagnt attgtagttt gaatttgctc aacgcttcng tattccattt cgagcgtctc 300
gatatattac gggactcaat cagacatccg agtaaaagtt attgtcgttg aatt 354
```

<210> 7728
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7728

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tttcatgcaa gctntgactt atccaatggc atggacactt taaaagacta aactctattt 60
tcaaaattgt actaactggg ttctctgtct caaggagtta tgccaggggac caaaggtaca 120
ggtggcttcg gtttctttat tttatccacc aaaataactt gagtagttag aatgacacca 180
gcaacagaaa ctgcactttg aagagcacat cttgcaacac gactaggatc cgctactcca 240
gcattcaaaa gatcttcata cgtgcctgtc attgcattat atccagttct ccaatcatgt 300
gttctagtct tccggacaac aatgtctcca tcaactccgg cattagttgc aatngatttt 360
caggttcaag gagtgctgc 380
```

<210> 7729
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7729

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tgtgatgaaa gctttttataa cttcttggtg ggaatatgaa ctctatcatg caaaattgcg 60
tggctactgg cagccatatt ttcaattaag tccatggctt cttcaggtgt cttcatggaa 120
tgaagaaatt gcagcttttc cttctgcagt tttagactct gggaaatatt tttttagaaa 180
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cttctcaaca acctcatccc aggtctttta actattgccc ttgaatgaat gcaaccatct 240
 cttggcctcc cctgataaag aaaatgaaaa caggctgagc ctaatagcat cttcaggtac 300
 accgacaagc ttaacagtat tacaaatctc aatatacgtn gccaaagtgtg agtatggatc 360
 tt 362

<210> 7730
 <211> 330
 <212> DNA
 <213> Glycine max
 <400> 7730

tagcagaaga acttcaatat accaatcatt atgtggacta ccgaccccaa agaatggaca 60
 tcacctgaaa ttggaaggctc ttggatctga acaaatgact atctttcaca ttttgattta 120
 aaaaagaaaa tcagaaacag aaagaaactt gtccttggat cacaagttga taattactgt 180
 ttcttgcagt gtgcatagc acctatcaaa tgtgaactgt acttcatcag caatgaggaa 240
 gtgatcaaac ccactagcat atggcgttgc aatgatcaat ataccctag taacacaaaag 300
 ggggtgataa ctatggcttt ttcattgtag 330

<210> 7731
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 7731

accatagaac tctcaagctt tacgcggaca agaacagaag ggaagtcttc tatgaaatca 60
 atgattgggt attggtcaaa cttcgacctt atcgacagtc cacggtgaga ggatctccgg 120
 cgagctccgg taagctgacc aaacgctact ttgggtccctt tagagtcatt gaacgaattg 180
 ggatggctgc gtatcgctt gaactaccg agggagctaa gatacattct gtcttcact 240
 gctccttgct taagcctttt cgaggatccc cgacacagcc tgactctact tctctacctc 300
 cacaattcat tgatggacat cctagcacta ctctcttgc tatectca 348

<210> 7732
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 7732

ttgtatggat aggaagctct gctgtagtt aaaagagttg acatcccttc caaattggaa 60
ggggtaaatt agttgagtaa ggacagggat gaattattac aggaactttg gaacaatctg 120
ctaaaggctc aggatcagat gaaaagatct gcaaacaagt ataggaggga gctagtcctg 180
caggaaggag attgactctt tttgaaacta caaccttata gaatgaagtc tccagcaaga 240
aagccgaagg agaagctgag tccacaattt tatggaccct acaaggtgat acaacgaatt 300
ggagaggtca cttataaact ggaact 326

<210> 7733

<211> 324

<212> DNA

<213> Glycine max

<400> 7733

ttgatgtttg tgttgaatgc attaaagggt aacagaccaa aagcaagaaa ttaggtgcat 60
atagagctac aaatgtcttg gaattgatac atacaaacat ttgtgggcca tttcatacac 120
cttcatggaa tgggtcaacaa tattttatat cattcataga cgattactcc atatatgcat 180
acttgtttct tatacatgaa aagtcataat ctctagatgt gttcaaaaca tttaaagttg 240
aagttaaaaa tcaactcaac aaaagaataa agtgtgtcag atctgaccgt ggtggtgaat 300
actatggcag atatgacgat ttag 324

<210> 7734

<211> 322

<212> DNA

<213> Glycine max

<400> 7734

tctattctga atttcgagtc gtctcgatat actataagac acaatcagac atccgagtaa 60
aaagttattg tcgtttcatt ttgcttagag tttctgttct gaatgtcgag catctcgata 120
tactacggga cacaatcaga catccgagta aaaagttatt gtcatttgaa tatgctcaga 180
ggttccgttt tcaaatacga gcgtctcgat atattacggg attcattcgg acatccgtgt 240
aaaaagttat tgtcgtttga ttttgctcag agcttccgtt atcaaattcg agcgtgacga 300
tatattgcgg gattcattcg ga 322

<210> 7735
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 7735

ggtgacaagt ggttgaaaat aacaatttag tgcccaactt gtcacacaaa gtccctccaaa 60
 aatggcttag gaacttagag tccctatcac taacaatgct ccttggcaaa ccatggagtc 120
 tcacaatctc cttgaaaaac aaatcaggca catgggaagc atcatcaact tttttacgtg 180
 gaataaaatg agccatttta gaaaacctat caacaaccaa aaaaatggaa tctctaccat 240
 tgcttggtttt tggcagcccc aaaacaaaat ccatg 275

<210> 7736
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 7736

tctacagaag gttcgttcct aatttctcta caattgcac acctttcaat gagctgggtga 60
 agaagaatgt ggcatttacc tagggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattggtt acaagggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc cctcaacta cccacacctat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt ggg 333

<210> 7737
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 7737

tgtatttgat agatattgtg ttatgtgttt aaatctgtca tattccagga tgaagacata 60
 aaaaatgcaa ttgaagatgc tgggtttgaa gcagacatat tacctgaatc cagtacagtt 120
 gcacatgaaa ccctggtggg acagttcaca attggaggta tgacatgtgc agcatgtgta 180
 aattctgttg aaggtatttt aagaaatctt acaggggtca aaagggtgtg tgtagctttg 240

gctacttcat cagggtgaagt tgaatatgat cccagtgtaa ttagtaaaga tgatatattc 300
aacgcaattg aagattctg 319

<210> 7738
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7738

agctttgaac atttcaatga aattcgnntt taaaaatacc ctcctttctc gcttcatttg 60
atgaagcacc tcttccaggg accgaaaatc gagggaagag gcgtaggctt caatgagggg 120
atagaaagac aaatcgccca atttgtaaga acccatttgg gtacctgatt tgaagatttc 180
atatgaaggg tgggggttgt gggaagagga agaataagag gggagtgtaa ttagggtttg 240
ggagaaatag cgatggagag ttgttcgaag aacgtttgtg ggaaatgatg agtgcttttg 300
catgacatgg atcattcggg aaaaaaaaaa agtgggggtn tgaggtaatg ggcagtgtca 360
ctgactcagt gagttg 376

<210> 7739
<211> 322
<212> DNA
<213> Glycine max

<400> 7739

tagcactctt caagtcccca tgcttgacta aatcccttct atcatcactt ggcaaactca 60
tccaaaactc cccgtcattt cttccccac ctggcaaatt tgagccggct gcatcaatgg 120
tctctcccggt ggacacgccc ttctcgtaca acaaggcccc attattgaaa aaccaatcaa 180
cagaagaagg caagtaagct tcctcgggat gaaagaaaac agtaggcccc tagtgctcta 240
taagtgcattg tatttggtgg aggcgtggca ttgctggtag cacaggattt aggttcttca 300
agcacacaac aggtagctct tc 322

<210> 7740
<211> 319
<212> DNA
<213> Glycine max

<400> 7740

tctcgatata ttacgggact caatcgggtca tccgagttaa aaataattgt cgtttgattt 60
 ttgtcagagc ttccattttc aattacgagc gtctcgatat cctccaggac ataattggac 120
 atccgagtga aaagtatttg tcatttgaat ttgtcagag cttctgtttt caattacgag 180
 tgtctcgatt tattacagga ctcaatcgga catccgagtt aaaagttatt gtcgtttgat 240
 ttttctcaga gcttccgttt tcaattacta gcgtctcgat atcctacggg acacaatcgg 300
 acatccgagt caaaaattta 319

<210> 7741

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7741

agctttaagc attttcaaac gacaataatt tttaactcgg atgtccgatt gagccctata 60
 atatatcgag acgctcaaaa ttgaaaacgg aagctctgag caaatTTaaa ggacaataaa 120
 tnttcaactcg gatgtccgat tgtgtcctgt angatatcga gacgctcgta attgaaaacg 180
 gaagctctga gaaaaatcaa acgacaataa cttttaactc ggatgtccaa ttgagccctt 240
 taatatatcg agacgcttga aattgaaaac ggaagctcta tgaaatgtca aacgacaata 300
 acttttaatt cggatgtcta attgagtgccc gtaatatatc gagacgctcg taattaaaaa 360
 ttgaagctct gagcaaattc aaacgacaat aac 393

<210> 7742

<211> 321

<212> DNA

<213> Glycine max

<400> 7742

tctagatgag ttatgtcttc gaatcgggtct atcctgtgaa aagttatgac catttgaatt 60
 tctcgagtgc ttccgttggt taatttcaag cgtctcgata ttttatgtcc tcaaattcaga 120
 catcggagcg aaatgttatg accattcgaa tttgtcgaga gcttccgttt ttcaatttcg 180
 agcgtctaga tgagttatgt caccgaatca gacatctgag tgaaatgtta tgaccattcg 240
 aatttgtcga gagcttccgt tgttcaattt cgagcgtcta gatgagttat gtcaccgaat 300

cggacatccg ggtgaaaagt t

321

<210> 7743
<211> 367
<212> DNA
<213> Glycine max

<400> 7743

agcttgcaca ttgctgcttg atagaagatt agcaagacgg taaatcatgg tactttgaca 60
tcaagcggta cgtagagtat aaggagtatc cacagggggc ttctgacaat gacaagagga 120
cattgtgaag gttggcaact agtttctttt taagcggagg taccctatac aaatgaaatc 180
atgatatggt tttgctctga tgtgtagaca ctaaagaagc cgagcgaatg ctcattggagg 240
tacatgaagg gtcctttggg atgcatgcta atgtgcatgt catggctagg atgattctaa 300
gggcagacta tcactggctc accatggaaa atgactgttg catccatgtg aggaaatgcc 360
acaagtg 367

<210> 7744
<211> 388
<212> DNA
<213> Glycine max

<400> 7744

actagaatgc ctggtttacc tggttaacca actggccatg aataaaaaat tttcacctgt 60
cgccagactc tatggtttat gtcctcttat tgaccaccac acagaccttt gcccttctgt 120
gcaacaatct gaagcaattg aacaacctga agcttatgct gcaaacatct acaatagacc 180
tcctcaacct cagcagcaaa atcagccaca acaaaacaat tatgacctct ccagcaacag 240
gtacaatccc ggggtggagga atcatcccaa ccttagatgg tcgaatcctt cacaacaaca 300
gcaacaacaa caatagcctt attttcaaaa tgctgctggc ccaagcagac atacgttcct 360
ccaccaatcc agcagcaaca acaacaac 388

<210> 7745
<211> 331
<212> DNA
<213> Glycine max

<400> 7745

tgtcagaaag ggaagcaagt taaaaactct ctttcaaagc aaaaacattg tttctacttc 60
 aaaacccctt gaactacttc acattgattt atttgggtccc tcaagaacta tgagtttagg 120
 tggaaattac tatgttttag taatagtaga ggattactca agattcactt ggactttggt 180
 tttgaaaacc aaaaatgaag cttttgatgc ttttcacaaa cttgcccaagg tgattcaaaa 240
 tgaaaaaagg tctcaacatt gtttcaattg gaagtgatca tggaggtgaa tttcaaaatg 300
 agttttttga aaacttttgt gaagaaaatg g 331

<210> 7746
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 7746

tcggaattcc atttcgagca actcgatata ttacgagact caatcagaca tccgagtaaa 60
 aagttattgt cgtttgaatt tgctcagagc ttcagtattc gatttcgaga aactcgatat 120
 attacaggac taaatcagac atccgagtaa aaaattattg tcgtttgaat ttgctcagag 180
 cttcggaatt ccatttcgag aaactcgata tattacagga ctaaatacaga catccgagta 240
 aaaaattatt gtcgtttgaa tttgctcaga gcttcagaat tccatttcaa gcaactcgat 300
 atattacggg actcaatcag acatccgag 329

<210> 7747
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 7747

agctttgagc aaattcaaac gacaataacg ttttactcgg atgtctgatt gagtcccgta 60
 atatatcgag acgctcgaaa tggaatacca aagctctgag caaattcaaa cgacaataac 120
 tttttattag gatgtctgat tgagtcccgat aatatatcgg aacgctcgaa attgaatggt 180
 gcagctctga gaaaattcaa acgacaatta ctttttactc ggatgtctga ttgagtcccg 240
 taatatatcg agacgctcga aatggaatat cgaagctctg agcaaattca aacgacaata 300
 actttttact cggatgtctg actgagtcgc gtaatatatc gagacgctcg aaattgaata 360
 tcgaagctct gagcaaattc aaacgacaat aactgtttac tc 402

<210> 7748
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 7748

tttctttgtg ggttgatggg ttctgtctcg tagaatggca tgatcactgg ctgacatggt 60
 ctcaattagc tcagttgctt ctttcggggg cttcaatttt atctttcccc ctgcagaagc 120
 atctaacagt tgcttggttt gtggtctcag cccatctata aacatattca attggattgg 180
 ctcggaaaac ccatgagtag gagttcttct caacaagcct ctgaatctct ccaatgcttc 240
 actcagagat tcatcaagaa actgatgaaa tgaagagatt gcagctttcc cttctgcagt 300
 cttggactct ggaaagtatt 320

<210> 7749
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 7749

ttctaataaa tttacaatgt tccaattggt ttcaaatat tgtaattgat tacaatgatt 60
 tggtaattga ttaccagtgt gtttgaacgt tgtaattcaa attaaattgt gaagagtcac 120
 atcatttcac aaaaaagctt tgtgtaatcg attacactga tttggtaatc aattaccagt 180
 gatagtttct gaacaaaatc aaaagatgta actcttccaa tagttttcaa gtttttctaa 240
 aagttataac ttttccaatg gttttcagat tttctaatag ttataacttt tccaatagtt 300
 ttcagatttt ctaaagggtta ta 322

<210> 7750
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 7750

tcaactagat gccttgggtta atttggtaac cctactggcc atgaataaaa aatttgcact 60
 tgtcgccaga ctctgtggtt tatgctcttc tgccgaccac cacacagacc tttgcccttc 120
 tgtgcaacat tctgaagcaa ttgaacagcc tgcagctaata gctgcaaaca tctacaacag 180

accttctcaa cctcaacaac aaaatctgcc acaacagaat aactatgacc tttccagcta 240
caggggcaat tccggatgga ggaatcatcc caaccttaga tgggtcaaato cgtcacaaca 300
acaa 304

<210> 7751
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7751

agctcttacg gacttgaaga gattctgagt ttgtccatca catttttgat ggagngctgt 60
gtatactaac aatttaacac catgtgaccg cattatacct gtcccaaaaag agattaagat 120
gctgtatctc tgtctaaaat gatttgctct ggccatacat gcaatctcac aactgtgttc 180
atgaataatt ttgcaacttt tgctgcactg aatggatgtc ctaaagctat gaaatgggccc 240
tatttagtac atatatctac cactactaat atgacactga tacgatgaga cgacggcaaaa 300
cctgtgatga aatccataga gattgactct catgctcta 339

<210> 7752
<211> 324
<212> DNA
<213> Glycine max

<400> 7752

ctcaagcttg ctaaattggaa gcagcgaagt ctttctatgg ggggcaggat aaccctcttc 60
aattctgtcc caacagccct ccctatctac cttctctctt ttttcagaat tcctaaaaaa 120
gtgatacata aggtagtctt tattcagagg aactttttgt ggggggggtgg ttctgaaaca 180
gctaagatac catgggtgat ctgggatatt gtttgtcttc ccaagactaa aggaggggtg 240
gggatcaaag atttgtctaa gtttaatgag gccttgattg gtaaattgggg atgggatctg 300
gctaataacc agaatacagct ttgg 324

<210> 7753
<211> 296
<212> DNA
<213> Glycine max

<400> 7753

tgatgatcgg agtgagaaac atgtgtttat tggctatgat gcaagttcaa aaggctacaa 60
 attgttcaat ccaaacaatg gaaggacaat tgtgagccga aatgtcgagt tctatgaaaa 120
 aggcacatgg aattgggagg agaaagaaga cacttatgat tttttcccggt actttgaaga 180
 aatagatgaa gaagccttga ctccaaatga ttcaactcca acactttcac caactccttc 240
 aaccaatgaa gcctcatcat ctttcgaaag gagttcaagt gaaaggccaa gaagaa 296

<210> 7754
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7754

agcttgtgtg tntagcaaga tataccttat gtcanngtac catcttattc gagtgaagtc 60
 tgacgatatt ccgaagacta cttttaggac ccgttatggt cactacgagt atctagtcac 120
 gccctttggt gtgactaatg ctccagggtgt gtttatggac tacatgaata aagtctttca 180
 cccttacttt gatagttttg tggtagtatt catagatgat attttggtat attcaaagac 240
 tagagaggaa catgaagagc acttgaggat tatgctgctt acccttagga atcgacaact 300
 ttatgctaag ttgtccaagt gtgagttttt ggtagagaa agttagtttc ctagggcatg 360
 tgatatctc 369

<210> 7755
 <211> 329
 <212> DNA
 <213> Glycine max
 <400> 7755

tcaagctttt agaaaatgtc gatgccgagt gtatactatt tttcttccat gtttcagttg 60
 tacgtatcct gtgtccactc aaattcccggt atgctggaaa gtcatttatg gtacaaaata 120
 gcattgcgcy caacttgaat gtttcatttc gataccatc aaacatgaaa acccccttgt 180
 tcaacaactt gctcaagtct tcaatcaagg gactgagata agcatcgatg tcatttcctg 240
 ggtgtcttgg gcttgatata atcatagaca acattatgta ttttcgcttc atgcacaatc 300
 aaggatgcaa gttgtaaatt actaacaaa 329

<210> 7756
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 7756

tgtggcaaag ttgaacaatt aaactaaata aaattgtatt ttgattacat tagtatttca 60
 tagtatataa tgcattctata tgtataaaag agaagggtgca acaatgttgc tcaccaatgt 120
 ccctttaacc tgagttgaaa catggccttt ctactgtct gagacaagct tagacaaacc 180
 aaaatctgca acctttgctg tcaaattttc atccagcaag atattagtgg acttcacgtc 240
 tctgtggatt atgggagggt tggcaagctc atgtaagtat gcaagtcctc tggatgaacc 300
 aagagcaaca cggagtctcc tcttccagtc aa 332

<210> 7757
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 7757

ttcacttaaa gttcgtatac cacgtctttt tccggttttt ccgacgtttt cctcaaataa 60
 acgttggtgg cgactccgcg cgtattcctt tcttggaaca cgactcgcg agtcacgcgt 120
 cgccctcccg ccgaagggtg ggttgcgaca accgtgacct aagagtcggt tggcatagcg 180
 agccacacga cgtgggatc ccaaattcg tatgttccat catttatcat ttgtatgtta 240
 tcttattttt atgacttgag ggactaacgt ttgttttgct ttttcgatcg cttttgttt 300
 tgtcatata tattgttt 318

<210> 7758
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7758

agcttgtacc caccagtact atgatagcct agcataatca tttgtttcac cttttgtcc 60
 agttttcttc ttaattgatt tggaacatgc ttgaagcaca agcatccaaa cacccttagg 120
 tgcttgagac aaggcttact tccactccaa gtttcttcag gtgtcacatt ctctagcctc 180

tttgttgaac atctgttgag cagataagct gctgttgaca ctgcctcacc ccaaaactcc 240
 tttggcaagt gaaaattcct tagcatacac ctggcatgt tgactatggt tctattgagt 300
 atctcanata caccattgtg gtgtggtgca tatggaggtg tgatcttatg aatattaccc 360
 tcacctcat agaaattcct tgattcatgt gatgtgtatt cact 404

<210> 7759
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 7759
 tatcgaagga gtcataaata aactattttc ataagctcct tagaagctat tatcattaac 60
 tgtgaagcat tcaagcttaa gcaataatac aattggagaa ttctcatggt ccataaaaca 120
 gagtttgatt tcaatcaccg tacgtatcta tctatcatag aatcaacaat tctaatacata 180
 acatgaaagc aagtaccgc aactgctcca acagcgccaa aagcaccaga ttttccgtct 240
 ataacactgg catcgactc cagccaccg tcttcggtca gattggagcc tctgccggcg 300
 tttgtgcagg gatcgctctc cagcactt 328

<210> 7760
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 7760
 tctacattca atttcgagtc ttttcgatat attacgggac tcaatcggac atccgagtaa 60
 aaagttattg tagtttgaat ttgctcaggg cttcggtatt ccatttcgag cgtctcgata 120
 tattacggga ctcaatctga catccgagta aaaagttatt gttgtttgaa tttgctcaga 180
 gcttcggtat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagttat tgtagtttga atttgctcag ggcttctgca ttccatttcg agcgtctcga 300
 tgtattacgg gactcaatca g 321

<210> 7761
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 7761

ncaagcttga gcaatttttaa acgacaataa tttntactc ggatgtctga ttgagtcctg 60
taatatatcg agacgctcga aatggaatac cgaagctctg agcaaattca aacgacaata 120
actttttact cggatgtcag attgagtcctc gtaatatatc gagacgctcg aaatggaata 180
ccgaagctct gaacaaattc aaacgacaat aaatttttac tcggatgtct gattgagtc 240
cgtaatatat cgagacgctc gaaattgaat accgaagccc tgagcaaatt caaacgacaa 300
tcactttnta ctcggatgtc tgattgaatc ccgtaatata t 341

<210> 7762
<211> 304
<212> DNA
<213> Glycine max

<400> 7762

tcattggtgc ccagcttcaa taacaagtta cagggacccg atttttgtca gtcaattctg 60
gaaggacttc atggcttata aagggaattca agtttagttt tctactgctt accatcctca 120
gacagatggg cagatagagg tagtgaacat gtgtattaag acatatctga gatgtatgtg 180
ctcagatgat cctaaacaat ggtccaaatg gcttcccttg gctgagtggg ggtataactc 240
tacatatcac agcactatta aggccagtcc ctatgaaatc atgtatggac aagcaccacc 300
agct 304

<210> 7763
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7763

agcttttgag atactcanat ggtcattatt tttcactcgg aggtccgatt cangcgcac 60
acatgtcgag acgctcgaaa ttgaaaaatg gaagctcttg agcaattcaa atggtcataa 120
tatttcactc gtacgtccaa tacaggcgca taatatatcg agaggctcga aattgaacaa 180
cggaagctct cgagaaattc aaatggatcat aacttttcac tcggagggtcc gattcagggt 240
tataacatat cgagacgctt gaaattgaac aacggaagct ctcgagaatt caaatgggtct 300

tactttttcac ttggaggtcc gattcaggcg catcacatat agagacgctc gacattgaat 360
aacgg 365

<210> 7764
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7764

ncaagcttgg cactggtatt catgtttcat ttatgccttt tgagtatgtg catttttgatt 60
tatggggacc atctagagtg aaaactcatg gtggaagctc aaactttctc accatcatag 120
atgattttctc aagaagagta tggttgtatg ttttgaaaaa aaaatcataa gctttttcaaa 180
agttcagaga gtggcatact cttattggaa atcaacttgg tacaaaaacta aaagttttta 240
ggactgaaaa tggcctggag tttgtttcag agcaattcaa tgagttttgc aggaaagtag 300
gtatcaaaag gcacaaaaca gtccctcaca caccacaaca gaatggatta gcagaaagaa 360
tgaataggac cattttttgaa aaagtg 386

<210> 7765
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7765

agcttatgat gtgatttacc aagaggatct catcaaacgc cttgagtccg agatctctgg 60
tgactttgag gtaccataag aacattattc acataatttt gccaaactatt tcatcatgta 120
gcattttttt ggtacattgt gatgactata aattaatgac gggactagtg ttggcctagt 180
ggaggattga gatagtgtgc atgagatctt aggttcaa atcttagtacga ctattgtata 240
aaaaaaaaat taatgatggt gtgtatgtat gcaaatcaga gagctatgta ccggtggatg 300
ttgcagcctg cggatcgtga tgctgttttg gtgaatgtgg caatcaagaa tggcaccana 360
gactaccatg tga 373

<210> 7766
<211> 381

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7766

agcttattat tggactntgc aaagnggggc tctngaagt agccttcagt ttgtaccatc 60
 atatgaggga agggggaatc tctccctctg aaattattca taattctctt ctaagtagtt 120
 gttgcaagtt ggggaatgtt ggggaagcac tgacattggt agattctatg atggagtgt 180
 gtcatttagc acatctagaa tcctataagc ttcttatttg tggctctgtt gaacaaatga 240
 acaaagagaa ggctgaagct gttttttgta gtttactacg atgtgggtat aattatgatg 300
 aagtggcttg gaaagttctg attgatggct taactaaggc tggatatgtt gatcaatgct 360
 cagaatngct gaatctaag g 381

<210> 7767
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7767

tttcatgcaa gcttacctgt attgacaagc tggtattttt taactgccat ggaattcctt 60
 aagagtatac aaaagaagcc attcttacct gcaattttct tacatattct tcttggaacc 120
 tgaatgtgac aatttcctgt ccaaggattg tagttgggtg cggaagttct ggttttcctc 180
 aagtaagcga tcataactcaa gaaggaaccc ctcagattgt tttctcagag cagctatatt 240
 ggcttcagca ccatctacgt cttttgtttt tgactgtagt tcagattcaa ggcgggctaag 300
 ttcagctctc aatctggctc tttcttctc cacagactta atntcttctg aattngcaac 360
 tttcccatc 369

<210> 7768
 <211> 226
 <212> DNA
 <213> Glycine max
 <400> 7768

tacttcacat ggatcctatg gtgcctatgc agggtgaaag tcttggaaga aagaggtatg 60
 cctatgggtg tggggatgat ttctccagat ttacctgagt aaatgttatc agagagaaat 120

cagaaacctt tgaagtattc aaagtagtga gtctaatact tcatagagaa gaagactgtg 180
tcatcaagaa gaatctggag tgaccatggc agagaatttg aaaaca 226

<210> 7769
<211> 311
<212> DNA
<213> Glycine max

<400> 7769

tccggacctca gtgtgaaaag ttatggccat aatttatctc agagctttct tgttcatctt 60
cgagcgtctc tatatgtgat gcgccttaat ctaacttccg tgtgaaaaga tatgaccatt 120
tgaatttctc aagagctttc tctgttcaat tttgagcgtc tcgatatgtg atttgccctga 180
atcggacatc cgtgtcaaat gttatgacca tttgaattct ccagagcttt cgctgtacaa 240
ttcagacctc tcgacatatt atgcgcctc atcggacatc cgtgggaaaa gctttggaca 300
tttgaatttt t 311

<210> 7770
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7770

tataaaactc agcttgacat aatcgcggac aatatctttt actcagtatg tacgaatgaa 60
tcccgttaata tattgagaca ctcgtaattg agaacggaag ctcgtagcaa attcaaata 120
caataacttt taactcggat gttcgattga gtcttgtaat atatcgagac gcttgaaatt 180
gaaaacggaa gctctgagca aattctaacg agaataactt ttactcggat gttcgattaa 240
gtcccgtaat atattgagag gtcgtaatt gaaaacagaa cctcgtagca aattctaaag 300
acaataactt ttacttgaa tgcgattgag tcccgttaata tatcgagaca ctcgaaattt 360
aaaatggaag ctcgtagcng atgcatacga caatgactgt ctactcagat gtccgattca 420
atcccgtaat atatgaatac gtcgtaatt gaata 455

<210> 7771
<211> 300
<212> DNA

<213> Glycine max

<400> 7771

gcaagctagg ttacctcctt cttcactaca tcaataatca ccgagttgag tcttctctgg 60
ggctgtctta ctggaatagc cccatcctct aaatttatcc gatgcataca tatggatggg 120
ctaataccag gaatgtccac caggggtccag cctatagcct atttatgctt cttgagaaca 180
tataacagct tctcctcttg ctcatcagct agggaggcag atataattac tgtaaatect 240
ttgctatcat ccaagtaagc atattttaaa tctgatggca gagacttcaa ttctgggtg 300

<210> 7772

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7772

tgctcattgt ttggtatggt tctctctaca gncacttcc tattgataag ctcataaaga 60
actacacat agctccacac atcactctta gcagttagct taccagtctg aacataactca 120
gggtgcagcat aacctatggt gccgacaacc tttgagaaga gataagtcatt ttattttgca 180
tgacagcaaa atatcaggaa caaaacgaag attcagactt cagattatca ttgtaacttt 240
ntataaatta gattcattca cattgaatat ggtaaaatat agttaattta ctcaatataa 300
gctgccagaa ggcacactat tctgatgtac tactatgatg caatattgtc aatataatga 360
gttttctcaa gagtatagac aaattcttac tgctggtgaa acatagccag acccttctga 420
tggtccttgc cgagc 435

<210> 7773

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7773

tgaagttggt gcanaaatgg tgtgttcccg tgggtcttgt ggagcctttg gtgagttttg 60
aagaaaatgg gggaagatgg ggtgaaattt ggcttccctt ccccccccc ccccgtttta 120
tttttttcat cagaccatgc tcgccaggc gagttgaatt tgcaaaattc tattgcaaag 180

tttttgttat atatatttcc cttttaaaccc ttattaatta tgtataagct taggtgaatt 240
 catgagataa ttcaagaaaa taaataagta tgaaacatga tgtagtgct tagctttact 300
 gagttttaaa agattggcta aaattttgtt aaaacataag cgcttagaca atgaaggaaa 360
 gctggagttg ctgcacatga tgtccaacgt tatgtcaagg aatcagattg ggctgcacaa 420
 tgcacaaggc aagataaaat gtcaaatg 448

<210> 7774
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7774

ngaaggcaaa ctggatgctg tgggtcaactt ggtaacttag ctggccttga atcagaaatc 60
 tgtacctgtc gcaaggggtt gtggtctgtg ctctctact gaccaccata cagacctttg 120
 cccttccatg cagcaacctg tagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacaa cagaacaatt atgacctttc 240
 cagcaataga tacaacctg gatagaggaa tcaccctaac ctcatggtt ccagccctca 300
 gcaacaacaa cagcagcctg ctcttctctt ccaaaatgct gctggcccaa gcagaccata 360
 cattcctcca ccaatccaac aatagcaaca accccagaaa cagccaacag ttgaggcccc 420
 tccacaacct tccctcgaag aacttgtg 448

<210> 7775
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7775

caatggctca atgagcaagg cgagatgata gtcaatttac aagtaaacad accctnttct 60
 ataggagact actatgatga cgttttatat gatataatcc ttatggatgc aggggaacatt 120
 ttgttgggta gaccatggca atttaacaag aaagacatcc acaatggtct caccaatgaa 180
 ataacctca cccatgtaag caaaaagctc aaacttgttc ccttgacacc ttcacaagt 240
 gttggggatc aagtacaaat aaaactcaaa tgggatgagg aaaataataa aaaaaagaaa 300

agaagaacaa cctttaatgg ttaatgagga gtgtaaggag gtaggtgtct cctccaatag 360
 gttagctaag aagaaaagtc attttgctat aaagacaaac attaaagaca cttcccttct 420
 tagacaacct ccacatatcc 440

<210> 7776
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7776

ctgcagctca agattgattc catttccttg tacaaaattc atcttcctgg tgtccnctta 60
 aggtaatgga gaattgatag gtagcttgta agtggacttc tcttgacag tgcataaatt 120
 ggctcaccaa actaacaaca aaagtaatat taagccttgt gtgagacaag tcaatcaagt 180
 ttccaactag acgttgatgc atctccttat ccacttatgc attgtcatct taattagcca 240
 atttaatggt tgaatccatg agagtactta gagaagctat catacatgtc tccttcagca 300
 gatttgtagc atatttntgg ccggaatatg aaaataccct tcttgagtg agacacttca 360
 attcccaaaa aatattt 377

<210> 7777
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7777

tgtgacatga ggccattaag tgcctctgcc acaatgttat atagaagagg tgatagatgg 60
 tctccttgcc ttagtccttt ctgaggtagg aactcagctg agggactacc attcaccana 120
 aatgaaacag atgctgattn tagacacccc tcaatccatt gaattcattt gctgcaaaag 180
 cccatcctac ccatcatata agtgagaaac tcccaagaca caaaatcata tgccttttca 240
 taatcaacct tgaagacaat gcaaggcttt tggcatcttt tggcctcttc aactacctca 300
 tttgtagtca ccacgctgtg tagcatatgt cttccttcta taaatgctga ttgcctctca 360
 tgaataataa aaggcatgac cttcttcaat ctattggcca atatttttagc cactatcttg 420
 tatgtgcac ccatcaatga tatanngttg aagtcattca aca 463

<210> 7778
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7778

atgtaaata tcaaacttat tcttgtattg agatattatn tgcttcattg ttattctncc 60
 acctcatcat ttactactaaa aacatcctta tatcacatgt tttcacataa aaagtaaaaa 120
 ttaaatacta tcaagatata tgatgaaacc aatttgaaga tataactagt attcaaatat 180
 ataaataaat tgaatataat tgatctaatt atatactaac attcatatgt caccacattt 240
 catctacatt gtctttacta atactactcc aaccattaac ttgtaaagga gctttctggc 300
 aaatacatat ttgtgtctca tacttgaaat attttactat attaggtaga gacttcttca 360
 ctagtttctc aagagagtgg tgtatggatg aatgattatt tgctctttta gaatcaatat 420
 caatgaattt accatctatc agttacaacg gat 453

<210> 7779
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7779

tgagaatgga ggatntcctt gatggctctc tctnatgtta tcttgtaaca cagctccaaa 60
 ctcaaaaatg gaggacacat gaatgacaac gcaattcatt catggggctc cgaaaaaggg 120
 taagaatgga ggattttctt gagggctctc tcttatgcaa tcatggaaca catctccaaa 180
 ctcaaaaatg gaggacacat gaatgacaac gcacttcatt cattggggctc cgaaaaaggg 240
 tgagaatgga agatcgctg atggctcctt 269

<210> 7780
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 7780

taaatattca atttcgagcc tctccatata ttacggtttc tcaatcaaac atccgagaaa 60

aacggttattg tcgtatgaat ttgctcagag gttcaacatt caatttcgag cgtctctata 120
 tattacggga ctcaatcaga catccgagta aaacggttatt gtcgtttgaa ttggctcaga 180
 ggttcaacat tcaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
 aaaaagttat tgtcgtttga attggctctg agcttcaaca ttcaatttcg agcgtctcga 300
 tatatgacgg gactcaatca gacatccgag taaaaagtta ttgtcgtttg aattggctca 360
 gaggttcaac attcaatttc gagcgtctcg atatattacg ggactcaatc acacatccga 420
 gtaaaaagtt at 432

<210> 7781
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7781

tgatgtcatt caaaacacac tatgtagacc taaatgttta ctaaacaatgc attgccaaact 60
 caaacgacaa taacttttga ctccggatgtc tgattgagtc ccgtcatata tcgagacgct 120
 tgaaattgaa tgtcgaagct ctgagccaac tcaaacgaca ataacttttt actcggatgt 180
 ctgattgact cccgtaacat atcgagacgc tcgaaattga atgttgaagc tctcagccaa 240
 ttcaaacgac aataactttt tacacggatg cctgattgag tcccgtcata tatcgagacg 300
 ctcgaaattg aatgtagaag ctctgagcca actcanacga caataactnt ntactcggat 360
 gtctgattga gtcccgatcat atacgagac gctcgaaatn gaatgtcgaa gctctgagcc 420
 aactcaaacg acaataactt ttactcggga tgtctg 456

<210> 7782
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7782

agcttcaaca ttcaacttcg agcgtctcgn cttattatac gactcaatta gacatccgag 60
 taaaaagtta ttgtcgtttg aatatgtctca gagcttcaac attcaatttc gggcgtctcg 120
 atatatgacg ggactcaatc ggacatccga gtacaacgat attatcgtct taattggctc 180

agagcttcta cattcaattt tgagcgtctc gatatgttac gggactcaat caggcatccg 240
agtaaaaagt tactgtogct tgaattggct gagagcttca cattcaattt cgagcgtctc 300
gatatggtac gggactcaat cagacatccg agtaanaagt tattgccgnt tgagttggct 360
cagagcttca acattcattt caagcgtctt gatatttgac ggactcaatc aggcacccg 420
gcaaaaagt 429

<210> 7783
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7783

agaggaagaa gcatgatgga aatctgctgg tcattgttga aaatntcatg cagcatcca 60
agaaatatga naaggtcagg ttattagtta aaacttacta gtaattcat tatacttgat 120
tataatgaat atttttaaag aaagatgtcc ttctgaatgc aacttaaata ggtgcataac 180
agaataaact tcttcattga tattgtaggc tgtaaaatac attgagtttg atcactcatt 240
cagtgaagat gagaagtgtc gtgctaatac cttacattta tcctgtaatt tgaacaatgc 300
tgctgtaaa cttaaatgn gggagtacat tgaagcttca agactatgca caaagggtact 360
ctctgaccc aatttaagta nttttctctt tctccctgtc tctctatcac ctgatgagac 420
aagaaaacat tgcataaggt agtgcattgt ctt 453

<210> 7784
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7784

cctcttcacg tctggagtat gtatgtagca tatagatcca aagaccctta ggtgctntgc 60
tgatggcttc ttcccggtcc aagcttcaat tggagtctgt cttttataga ctgattgga 120
catctgttga gtatgtaaac agtagttag actgcttcag cccaaaatga gtttagtagt 180
ccctcttcct tgagcatoga tctagccatc tctataactg tgggattctt tctcttgac 240
actccacttt ggtgaggaga atatgagact gtaagttgtc gctcaatgcc ttcactctt 300

caaaaatctt caaactcgcg agagggtgact cnttgccgca atcacttctt agaactttat 360
ccatcttcca ctttgatttc agcaatggcc ttgaacttgt gaatactc 408

<210> 7785
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7785

tgtaatcgat tacacttata ctgtaatcga ttaccattac agagtgtcag aaaatattct 60
caacagtcac atctttgtat gtggttcttg aatggctatc aaaggcctat atatatgtga 120
cttgagacac gaatttacta aaagtttttc agaacaaaaa ggtcttatct tcttataaag 180
caaaatcggt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300
ttcttcattt tgaaaaggga ttaagagacc gaggggtctct tgttgtgaaa gaattctaaa 360
caciaaggaa ggcgtgtcct ttgtgtgtta gaacttgta aaggaatnta caagatagtg 420
gaactctcaa gcggttgct tgtggactgg a 451

<210> 7786
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7786

gctatcactc ttactggtga ttgaaaaaag cntntaatgt ttactcaaga gcatgtattg 60
tgccgatacc gttaactggt gaacagggtc ttgagcgggt tgacgacatt aatactgtat 120
ttggaaagac ttcattattg gtctgatcta gatgtcagac attgtattga tgttatccat 180
gtcaagaaaa atgattgtga tagtgtcatc gacacgcttc ttaagattta atgcaagtca 240
aaggatggtt tgaataatca ctaagatcta gttgagatgg gtatacgaga ccagttacat 300
ccaaggctctg atggtaacaa aatatacttg cttctagctt gtcatacttt gtctagaaag 360
gaaaagataa ctttttgtca gtgtttgtgc catgtcaaag tgccacaggg ataatcttca 420
aatgttaaca gccttgtgca gttgaaggat ctcaagcta 459

<210> 7787
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7787

ctgacattca ccacagattc tgccttcttc tattttcaga tagagaatgc ctctaacagc 60
 acctttgtca atgatattct tcatgcctct taagagcaga tgtccaaatc tttgatgcc 120
 tattttgact tcatcttctt tggaggatgg acatgtggat gagtaactgg tttctagagg 180
 tgtccataag taacagttgt cctttgatct gctggccttc attagaactt cattcttctc 240
 atttgtcacc aagcattctg actttgtgaa ggttacattg aatccttcat cacacaactg 300
 actgatgctg atcaagtttg cagtcagtcc ctttaccagc agtac 345

<210> 7788
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7788

tctntgagan aacttccttg ttatagctag agcttagcta cacacacccc tctcataact 60
 aagctcacct ccttgagaag cttctttaag aagattccta aagaagctag agcttagcta 120
 cacatacctc tctaatagct aagctcacct ccttgagatg agaagctaga gcttagctac 180
 acacccttat aatagctaag ctcaccccca tgacaaaaaa aacatgaaaa tacaaaaaaa 240
 agtccttact acaaagacta ctcaaaatgc cccgaaatac aaggctaaaa ccctatacta 300
 ttagaatggc caaaatacaa ggcccaaaca aagaanaaac ctattctaatt atttacaag 360
 ataagcgggt catgcttagc ccatgggctc gaaatctacc ctaaggctca tgagaacctt 420
 agggccttcc cttggatctc tagcccaatc tacttgga 458

<210> 7789
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7789

ttatgtgctc ttcattgctg tttttgttga ataatcccta aaattctttc ttgataaaac 60

tctattgatg tagctctcat ttcattttttt gggactctcc gaattgcttg tctcttggcc 120
 tgcttattgg tgagttgccca tataggggaat tgtaaaggat gattgtggac atcccttgat 180
 aatattgagt caagaagtta ggggaaaacc accttaagag cttttggact aagaaacact 240
 tcaaattgag tgaatcacct atgagagAAC actctccata aattcacgac cttcttttag 300
 tggttttaat agagaattac ttaccttcat tgtttca 337

<210> 7790
 <211> 308
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7790

gcttatatca tgttgtatat ataggntatt tatgcatgnt ctcttttgta ttgtagatga 60
 tcaatgagag gagcctcctt gtgtatgtta actctagcat gaggtagttc ggaaatttct 120
 actttgtgct ttgagtgtac cggtgcccaa atactataaa aaaaaaacga ctcttatgcc 180
 taataataaa catgatggcg agccctgttg cagcggtaaa gttgtgcctt ggtgacttgt 240
 tggcatggg ttcgaatcca gaaacaacct ctttgcatat gcaagggtaa ggctgctgac 300
 aacatccc 308

<210> 7791
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 7791

atgaacatat cagcaggatt gtgtagaggg ctaattttat gaacattgag ttttctttct 60
 aaccgaatga agtgatatct aacatctata tgcttggttc tatcatgatg aacttgatcc 120
 ttggccaagc atatagcact aacgctgtca cagtagatgt tagcatattc ttgattaatt 180
 ccgagatcat ttatcagacc tctaagccaa attccttctt ttgcagcttt agtaagagcc 240
 atatatttag cctcagtagt tgagagagca accgaagggt gaagtgttac cttccaactc 300
 accaagcagc caccaagggt gtaagcatac cctgttaatg accttctctt gaccagatca 360
 gcagcaaaat ctgcatcaga atagccagtg aggcagcaat ctgggtgaga tccatagatc 420

aaacctacat

430

<210> 7792
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7792

ggccaacaaa tccgtatttc tttagagaca ttntcatatt attattccat ttgtcatttt 60
aattagaata ttgcttttac attccgcaat tcaattaaaa actattgtaa gtataacttt 120
aaaatattta ttataaaatt taacaatttt attatacaaa tgagagtctt tgattgaatg 180
acaactatat tcacattaaa ttcttttatt tttattattt gaagcattta attaaacttt 240
gaacattaca gctcttagta tgtttaaaac ttagtttatt tatttaactt tccaatagac 300
aatgatttct ttgatgatag aaaaaccaca caaaaaaagc tatttaattg aagaaaaatc 360
aaattaaaag aaaaataaaa taaagatttt ctttataaaa actaattnta tctctnttat 420
atcttcttat tnttaattaa aattcacaaa ctaat 455

<210> 7793
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7793

acagattatt ntattatgta agtgtaaag gttatattaa cctctatggt gttatttttt 60
ttattattaa aatcataaat ttatttactt ttttaaatgt taggaatggt gatatatata 120
aaaaagtcaa acttataagt ttattgaagg ataaagtat gtttatttta agtctgatt 180
gcaaaatgaa tttttaaata agttatcatt caccttatat tagaccttaa agataagctt 240
ataaaacata agttagactc aatttttata aaaggttcat ttgtttaagt tgttttttta 300
aaaaaatata ataacaaaat aattaagcat cttttcatgt gtttgtctaa attatctttt 360
tgctaagaaa acnagaaaat gatttttntt aataaacaaa ctttatctac ttttagaaaa 420
aacatttana aacattgctt aaaaaataa ttt 453

<210> 7794

<211> 343
 <212> DNA
 <213> Glycine max

<400> 7794

tgccgcatgc aagcttctaa actttataca agaatgaagc tctttaccac ttgttagaca 60
 agttggccta gatattctaa gaaggggggg ttgaattaag atactacgaa ttatatcccc 120
 aattaaaaat tctattttatc tttctattca agggatagat tcccttcata atgaatgtct 180
 taaataatga ttcaaaagaa caatgtgaat atgaatatga aacaataata aataaaggag 240
 ttttaagggaa tagaaagtgc aaactcagat ttatactggg tcggccacac ccttgtgcct 300
 acgtccagtc cccaagcaac ccgcttgaga gttccactat ctt 343

<210> 7795
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 7795

ggcacaaatg tcaggattct tactattcct cggaatagtc taatcaacca atcccaaaca 60
 agggcatatt ccacgactg ttttggcat ttaaggcatg cattgatgcg tttgcatttt 120
 atgaacccat tgtgtgaatc tatggaacat ggctatatgg aagatacaaa gggacattgt 180
 tagttgcaat ttcacaatat ggcgctaaca acatatttcc attggcattt gccattgtcg 240
 agggtgagac agtagatggg tggcacttta ttttgcagaa cttgagaaca tgtgtgacac 300
 cacaacatgg tatatgctta atctctgaca gatacgagtc aatcaaaagt gcatacagat 360
 gaccgaacag tgtgtagaca gcagacaact catcacatgt gttctgtatt cggcacatat 420
 gtcaaaaacta 430

<210> 7796
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 7796

cgtaatactc accacctcta tcagatctaa taattttcac ctttctatct aattgtcttt 60
 ctacttcatt caagtaaatt tctaaggcat ccaactgcacg agggcagtaa gtagacataa 120

ccgtaacgtg aatagtcac aataaagggtg ataaagtatc tttccttttc aaaagaatta 180
 acatcaaaag attcacaaat atcagtatgc acaatttcaa gaagctgagt gcttcttgta 240
 gctcctttct ttgttttccc ttaatacaat ccacacaaat atttagattc gtaaaatcta 300
 aatcaggaag aatttcattc tttattactc tttccatcct ttctctaaga atgtgacgta 360
 aacatttatg ccacaagaaa gccgatcggt catcactaaa tatacggtta 409

<210> 7797
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7797

nttgtgtggg atacctaag tgagcacagt ttctagtctc ctttaaggaaa gattcatgac 60
 cgctccagtg ctagttttgc ctaacccgag agaaccattt gaggtgtatt gtgatgcac 120
 aaagatgggt ttaggcggag tgttgatgca gaatggccaa gtggtggcct atgcttctag 180
 acagcttaag actcatgaga ggaattatcc taccatgat ctagagttag ctactgtagt 240
 tttttccctt aagatgtgga ggcattatct ttttggtctt aagttcgagg tgtttagtga 300
 tcataagagc ctttaagttat tgtttagtca gaaggagctg aacatgagac aaaggagatg 360
 gttattgttt ctttaaggatt atgattntga gcttagttac catcctggta aagccaatgt 420
 agtggtgat gctttgagta ngaaatctc 449

<210> 7798
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 7798

tggctctaaac tattcacacg gattgccgat tcgggcgtat aatttatcga gacactcgaa 60
 attgaacaat gcaagctctc gagaaattca aatggtcata acttttcaat cggaggaccg 120
 attcatgctc ataatatatc gagacactcg aaattgaaca acggaagctc tctagaattt 180
 caacatgggtc ataacttttc acatcggagg tccgattcat ggcataata tatcgagacg 240
 ctcgaaatcg aacaacggaa gctctcgaga aattcaaagtg gacataactt ttcactcgga 300
 gggttcgattc aggcgcataa tatatcgaga cgcacgatat tgaacaacgg aagctctcga 360

gaaattcaaa ctgtcataac tcttcactca gaggtccgat tcaggcgcat aatatatcga 420
gacgctcgaa tatgaacaac ggaagctctc gag 453

<210> 7799
<211> 386
<212> DNA
<213> Glycine max

<400> 7799

gccttgagaa gattcctaaa gtagctagag cttagcttta cgctcctctc taatagctaa 60
gctcacctgc ttgagatgag aagctagaac ttagctacac accccctata atagctgagc 120
tcacccctat gacaaaatac atgaaaatac agaaaaaaag ttcctacttc aaagactact 180
caaatgcct cgaaatacaa gggtaaaacc ctatactact agaatagcca aaatacaagg 240
cctaaatgaa ggaaaaaacc tattctaata tttaaaaaga taagcgggct catacttagc 300
ccatgggctg aaaatatacc ctaaggctca tgagaaccct atggccttcc cttagatctc 360
tggcccaatc tacttggagt cttcta 386

<210> 7800
<211> 336
<212> DNA
<213> Glycine max

<400> 7800

cgctcgaaat tcaacactgg cagctccgca ccaattcaga tgggcatacc ttacactcg 60
gaggttcgat tcacgcgcat aatatatcga ggcgctcgaa attgagaacc gagagctctc 120
gagaaaaatca aatggtcata actctccact cagaggtccg attcatgcgc ctaatatatc 180
gagacgctcg aaatcgaaca acggaagctc tcgagaaata caaatgggtga taacttttca 240
ctcagagatc cgattcagtg cataatatat cgagacgcta gaaatttaac aacgaaagct 300
ctcgagatat tcaaatggtc ctaactttaa ctcgga 336

<210> 7801
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 7801

agcttcaaga ataatggcct cagcaaactt cttatttcta gaaggattat taatcaatag 60
acctccaatc tttaatggag agggttacca ctactggaaa agccgaatgc aaatttttat 120
tgaggcaata gacttaaaca tttgggaagc catagaaata gggccttata taccaccac 180
agtagaaaga accacaatag atggaagcac aacaagtgga agcacaaca tagaaaaacc 240
tagagataga tggctcgaag aggatagaag acgagtacaa tataatttaa aagccaaaaa 300
catataatta catctgccct gggaatggat gaatatttca gggtttcaaa ttgtaagagt 360
gctaaggaaa tgtgggacac tctacaagta acacatgaag gcacaacana tgttaaaaga 420
tctaggataa acacattaac t 441

<210> 7802

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7802

agcttctaca ttcaattcga gctttcgtta tattactgta ctcaancgga catccgagta 60
aaaagttatt gtagtttgaa tttgctcagg gcttcggat tccatttcga gcgtctcgat 120
atattacggg actcaatcgg acatcagagt aaaaagttat tgttgtttga atcttctcag 180
agcttcggta ttccatttcg agcatctcga tatattacgg gactcaatca gacatccgag 240
caaaaagcca ttgtcgtttc aatgtgctca gggcttctgt attccattac gagcgtctcg 300
atgtattaca ggactcaatc agacatccga gtcaagagat atagtcgctt gaatttgctc 360
agagctacta cattcaattt cgagcttttc gatatattac gggactcaat c 411

<210> 7803

<211> 434

<212> DNA

<213> Glycine max

<400> 7803

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tgacctatta tcgccaagcg caattcctta cggccataag agtccctctc atctaagcga 120
atgtgatgca atcctacccc ccaagggcat tggataaaaa actcgaagca gattggacca 180

aagatgcaag agaaggccca agggttctca tgagccttag ggtagatttc ggggtccatgg 240
gctaagtatg agcccactta tctttgttga tattagatta aggtttcatt aattttgggc 300
cgtgtattta gggctccata atgtaggcag ggtaccctag aaatatagga tttttcagcc 360
cttggatatt agggcaccta gaactagttt tgtattaggg gtagttttgt aatttcacat 420
gcactaagtg aata 434

<210> 7804
<211> 353
<212> DNA
<213> Glycine max

<400> 7804

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tgtaaggcat ccattgccta agaaatctca ggcagtaagt agacataacc ataacgtgaa 120
taatcatcaa taatggtgat gaagtatcat tcctttctga cagaactaac atcaaaaggt 180
ccacaaatat cagcatccac aatttcaaga agctgagtgc ttcttgagc tcttttcttt 240
gtatgttatg gttgttttcc cttaatacaa cccacacaaa tatttagatc cataaaatct 300
agataaggaa gaatttcatt ctttattaat ctttccatcc tttctctaga aat 353

<210> 7805
<211> 385
<212> DNA
<213> Glycine max

<400> 7805

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ttaaccttct tataaataat tacggatgaa aataacgcaa caaataatca aacatcaaac 120
ataattacta ataatatata gatatatata tcatggtgtt acagggtatgg agtatcaaaa 180
gattcatgct tgcccgaatg attgcatatt gtacaaacat gaatttcaaa aaatgccaaa 240
atgccctaag tgtgggggtat cacagtacaa agtgaaggat gatgaggagt gtattaatga 300
tgaaaactca taaggccgcg cagcgaatgt gttatgggtat cttgccatca ttccaagggtg 360
taagcatctg tttactaatg gagac 385

<210> 7806
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7806

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agctctcttg agaagattcc tagagaagtt ttagttatct acacttaccc ctnnaaagct 60
aagctcatct cttccttgag atgataagat agagcttagc tacacacaca ccctataata 120
gttaagctct ccccatgcc aaaatacata aaaatacaaa aaagtccta ctacaaagac 180
tactcaaat gccttgaaat ataagactaa aaccatatac tactagaatg accaaaatac 240
aaggtccaaa agaaggaaaa acctattcta atatttacaagaagagtgg acccaatctt 300
ggcccatggg tcagaaatct accttgaggt tcatgagaac cctagggcct tctttaacag 360
ctctagccta atcctctttg agtcttctat ccaataccct tg 402

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<210> 7807
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 7807

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tgtaggggta aagtctcacg aaagcacttg ctcatgcttc atttgttagc cgcggctata 60
cgagacatct tgccaaacaa agacagggta gcgataactc gcctgtgctt tttcttccat 120
gctatatgta gcaaagtcac tgatccagtc atgtttgatg agttagaaaa tgaggccgca 180
attatactgt gccagttgga gatgtattct cccctgctt tctttgacat catgattcac 240
ttgattgtgc atctggtcag agaaatcaaa tgttgtgggc ctgtttatct acggcggatg 300
tactcggttg agcaatacat gaagatcata aaatgggtata caaagaatct atatcgtcca 360
gaagcatcta ttgttgagag gtacattg 388

```

<210> 7808
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7808

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ttgggataaa gggagngccg ccatgttttc aaagcccgga ctaaagcata caactcctta 120
tcataagttg aatagctaag ggtaggacca cttaactttt cactaatata cgcaattgga 180
tggccttttt gatcaacaca gcccgaatcc caacatgtga agcatcacac tcaatttcaa 240
aagatttttg aaagtttggc aacgcaagta t 271

<210> 7809
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7809

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ggttagccaa tgtggttatg gtgaagaaat caactagaaa atagaggatg tatgtggatt 180
atagcgacct caacaaagta aggatgctta ccatttgcct aacatcgaca aattagttga 240
tagggcatgc aggttttagat tactatattt tctagatgcc tacacgggct ataatacaat 300
caagatgtga tacaatccta cccccaagg gcattggata 340

<210> 7810
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7810

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tctcgagacc ttccgttggt caatttcgag cctgtcgata tattatgctc ctgaattgga 120
cctacgagtg aaaagttaag accatatgaa ttgctcaaga gctaccattg ttttaatttcg 180
agcgtctcga catgtgatgc gcctgaatcg gacctccgag ttaaaagtta taaccatatg 240
aatatgtcga gagcttacgt tggtcaattc cgagcgtctc tatatgtgat gcgcctgaat 300
cagacctcca tgtgaaaagt aacgaccatt tgaatcgctc cagagcttct attgttcaac 360
ttcgagcgtc tcgacatgtg atgcgcttga attcgacctt cgagttacaa gttatgacca 420
tatgaacatg tcaagagc 438

<210> 7811
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7811

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 ctgacataag cttcaaccaa ttaacattgt ttgtatgaca actggttag ttggacagca 120
 atcacacagt ttgtccacca tggtagctt tatgttccta ttggttatag ttttagtatg 180
 ctttatgttc ctattggtta tagctttggt gctggaatgt tcaatttgga gtccacaaaa 240
 ggaggaactc catatggtgt tggagttttt gctggagatg gtacaagaca agcaagtga 300
 atggagctgg agctcgaga gtatcatggc aagtatatat gaaattagcc cataaaagct 360
 agaatggat 369

<210> 7812
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7812

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 ctccaatgaa taaatcttta taagtaaaac atgtatgttt attctaactc accccatctt 120
 ggagcttgct ctctacagca gtggcaccaa gaagaattag gttcttctca atcttatctg 180
 atacttcctc aatcattata tcctgatcag cactgactac attcttggcc ctagagaatt 240
 tactatcaaa ctcttgat tcttctgcat caagttcacg ataggccagt ataaggggtc 300
 tcagaccgc atcagcatac tcatgcacat gctccatggt tntctcttca aactcccttc 360
 tattcttggc ngcctttcaa acatggtgct gcatgaaaac atcaactc 407

<210> 7813
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 7813

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ataaatggga aagttgggac aattatacaa gtttatacac aaagttagtc gttctcaccg 120
actaacactg gcgtagtata tagcatgaaa taaaattccc ttcctttgcc caagcactgc 180
acctacgacg taatcacttg cattacacat cagctcaa at tcttgcccc aatctagtgc 240
tgtaattact ggagcaaaca ctaatctggg tttcaa atca ttaaatgcat ccatacactc 300
ttcattaaac acaa atgcaa catctttatt caacagattg ctaagtgggt tgggtgactnt 360
ngagaaatct tttta 374

<210> 7814

<211> 291

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7814

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ttcttcta at taaaaatcta tcttactttt tacttaagtt atgaattccc ttaatgataa 120
tcttcttaaa tattaattca aatgaagcaa cttgaatatg aatataaagc aataataaat 180
aaaggagatt aagggaagag aaaatgccaa ctcagtttta tactgggttcg gccacaccct 240
tgtgcctacg tccagtcccc aagcaaccgc cttgagagag ccactaactt g 291

<210> 7815

<211> 370

<212> DNA

<213> Glycine max

<400> 7815

accgagagga ttggaaacat aaaattcctc ttcaatgtat ccatttagga aaacactttt 60
gacatccatt tgggtataact tgaaatcgat aacataagca taagctaata acaatcttaa 120
tgcctctcat cttgctaccg gtgcataggt ttcaccaaag cctataccct cttgttggtt 180
atagccctcg gctactagcc attctttatt tctagtgatc aaaccatggt cattcaattt 240
atttttaaac acccatttta gtgccaatga tgttcatggt ttttgaataa aggactaatt 300
cccatacatc atttctttta aatcagttca actcctcatg catggatatt atccaaaact 360

catctttgag

370

<210> 7816

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7816

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atcacttctg gcacttaaata gcttagaagt tggaaccctc ctctcaaata aaattttggc 120

tttaaccagg ggcattgtctt ccaaggcttc aacccttaca acaactaata tactttctctt 180

cattggtgtg agtccctcat aaaaaatatg gagaaaaaac tgctctgaaa tctggtggtg 240

aaggcaacta gcacaataat tnttaaactct ctcccaatat tcatatangc tctctccatt 300

gagttgtcta atacctgaaa tctcctttct gatggccatg gtccctggaag tanggaaaat 360

tttttctaag aatactctct tgagggtcatc ccaactcgtg at 402

<210> 7817

<211> 440

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7817

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aagcctacta atttaagatc tttcaactgc acttggtctt taatatttga agagtatcct 120

tgtgggactt tgacctggcg tagacactga aaaaaactga tcttctcctt tctgggcaaa 180

gtatgacaag ctggaggcaa gtatatTTTT taccatcaga ccttagatgt aactgcgatc 240

gtatatccat ctgactaga tcttgacaag tattcaaata atctttcgtc ttgccttgaa 300

tgttaagagg cgtcccaatg acactatcac atatattttt cttcacatgc ataacattaa 360

tacaatgtct aacatctaga tcataccagt acgcaagatc aaacaaaatc gacctttttt 420

tccatatgca aggcttactt 440

<210> 7818

<211> 305

<212> DNA
<213> Glycine max

<400> 7818

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cgtgaactat ttactcaagt agtagacggc gcgctctctt ttcccagact cgacatgttg 120
ccccagcata caccattg acttgtccaa aatcgtcata tacaagatga gaggtgttcc 180
gggcaccggc ggccgaagca ctagagggat tatgaggcac tgattgatcc tgccatacgc 240
ctctagacag tccttgatgc aacggatgga ttggctcttg cataacagct tgaacaacgg 300
ctcac 305

<210> 7819
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7819

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tggaatctgt gccctttctt ctgcctacaa tttgtctaaa agtttgtaaa agtgtgtgtc 120
aaagtgtgtg taccctaatt ctgcacaaga taggctttaa ataagctcta aattcacgac 180
gttgcgctta gggccaccct atctgatgca agctccatta gagcttgtag gcctaggatc 240
ttcttcatca atggattcct ttgcttcttg gaagatgaat ggcagcggaa tgaagaaagg 300
aagagagaga ggagacgcca cttcaaggag aagatgagtc tagaagaagc tcaccaccat 360
aggaggccat ggataagagc tt 382

<210> 7820
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7820

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aacaattatg acctctccag cagcaggtac aatccccggg ggaggaatca tcccaacctt 120
agatggtcga gtccttcaca acaacagcaa caacaacagc cttattttca gaatgttgtt 180

ggcccaagca gaccatacgt tcctccacca atccagcagc aacaacaaca acaacaacaa 240
 caacaatagc cccagaaaca acaaacagtt gagggcactc cacaaccttc ccttgaagaa 300
 cttgtgaggc aaatgactat gcaaaacatg tagtttcaac aagagaccag agcctccatt 360
 cagagcttaa ctaatcaa at gggacaattg gctacacagn taaatcaaca acagtcccag 420
 aattctgata gattaccttc tcaatctgtc cataaatccc aaaatg 466

<210> 7821
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 7821

tcaagtgtat ccttattatg ccattgagat tctgaatttc ctgtacgaac gttccaagct 60
 aagggtttat tggagatatt ccttattgct taggtttgca tatcatatcc caaaaaataa 120
 taaatttatg attaaataat ataaacatat taaagtacaa agaaatagac atcatattta 180
 tatatcatct ctatatatta tcatctttcc attctttaca gctatctttc aatattttta 240
 atactcattg atatattgag aaatgtttta aaaagtaaaa tattattata tttgggttaa 300
 attcttattt taagcatatt acattgggtg tgtggaaatg gatcactgga caaatcaata 360
 tgacaaaaga aatgttcatg gaagtatgct aattgataag caataacctg atggcattga 420
 tgggataggt tggta 435

<210> 7822
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 7822

ttccagaacc attctccccg aagcgtttca aggtgcaaaa gatgacttca ccatgcagct 60
 tgcattggtg tggaaacaaa tcaaagcgcc actgattgtc cgttgctga gactagcagt 120
 gtttctgtgc ttgatcatgt cggatgatgat gttcattgag agagtctaca tgggcattgt 180
 catcactctg gtgaagtgtt ttgggagaaa gccagagaaa cgttacaagt gggagccaat 240
 gaatgacgac attgagttgg gaaactcttg ttaccaatg gttcttggtc aagtcccat 300
 gtacaacgaa agagaggtag tattaccaat aaggcaataa cttagttttt tttctctatc 360

atcacttcta acacttatac tata

384

<210> 7823

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7823

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attggcatng cccctaacta agttgactcg taagaatgag aagtttggtt ggaatgagaa 120

gtgtgagcaa agtttccaag agttgaagag gcggttgacg acagctccag tgttaatttt 180

gcccgaccct aagagaacat ttgaagtgtg ttgcgatgca agcgggcaag gcttgggggtg 240

tgtgttgacg caagagggaa gagtaatggc ttatgcttca cgtcaattac gtcctcatga 300

agttaactac ccgacccatg acttgggaact agcagcgggtg gtctttgcct t 351

<210> 7824

<211> 352

<212> DNA

<213> Glycine max

<400> 7824

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tgtaacaaat cttctagact tggagtgatc acatgcagtc ctcttgaacc cttgccaccc 120

actctatcat catgccgaga cttagaaagg ccaacagggt tagccttctc aatatattct 180

tctgcaatgt acctctcaac aatagatgct tctggatgat atagattctt tgtataccct 240

tttaagatct tcatgtaccg atcaaccggg tacatccacc gcaaataaac aggaccacaa 300

catttgattt ctctgactag atgcacaatc aagtgaacca taatgtcaaa ga 352

<210> 7825

<211> 326

<212> DNA

<213> Glycine max

<400> 7825

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agcagcttca actaccccat tcatcttggg cctgtatggc gtggaattat ggtgttggat 120
cctgaaatcc tcacacattt ccttcatcat tttgttggtc agattgggtgg cattatttgt 180
gataatcttc ttgggcaacc cataccggca gattatctct ttcttaatga acttgaccac 240
cacactcctt gtcacactgg catatgaagc agcttcaacc catttgggtga agtagtcgat 300
cgcaacaaaa atgaagcgac gtctat 326

<210> 7826
<211> 356
<212> DNA
<213> Glycine max

<400> 7826
ctacatatta ctcacagctt tatcctctta aaagattaag agtttttctt tactaaaatg 60
ttttatcctt tcaaaaagat tccttgggtca accacttgca tattcaataa ggaattttga 120
ttggtcttca ttttacaatc tacctctttt aagagagacc tcttcttctc ttcttcttat 180
ttctgaaaag ggattaagag accgtgggtc tcttgttgta ggggattctt gaacacaagg 240
gaagggttat ctctgtgtgt attgttaatc caaagagaga gtgaaagttt aattggggaa 300
tagtctttgt ttctaaattc aacccccct ttttctgagg ccatttgtcc aacatc 356

<210> 7827
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7827

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atggcatttc cttacatggg tgcagcaatc gctttccata gtgagccagt aataacctgc 180
tctaaggatc ttcttgcca tagcatgcc attggcatgt gtcccaaag aacccccatg 240
gacttctca atcatgtaat tcgctctttt ggcattctacg cagcgtaaga gggtcatggt 300
tttgtttgta caggacggta ccaactcaca agaaaccagt agccaatctc cttaacgtta 360
tnttgcatt gtcggaaatc cctggtggat attctttgtt ctcgacata 409

<210> 7828
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 7828

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 tctattttca gattgggaat gcctctaaca gcacctttgt caatgatttt cttcatgcct 120
 cttaagtgca gatgtccaaa tctttgatgc catattctga cttcatcttc tttggagaat 180
 agacatgtgg aggagcaact ggtttcttga ggtgtccata ggtgacaggt gtcctttgat 240
 ctgctgccct tcattagaac ttactcttc tcatttgtca ccaagcattc ggactttgtg 300
 aagattccat ggaatactat catcaca 327

<210> 7829
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 7829

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 aaagcagagc gtttggaatg atttcgtaaa tttctgagag ctggtgggga atgcagacaa 180
 tgagattaac acgaaaatat aagtttgaat gaggaatgta gagggacgtg tgaatcaacg 240
 cgcgaaattg ctttggttca gtagtgaacg tgctattaat gttaagtgat tcgtttgggc 300
 acgttcagat atcagtagtt gctacaattc ctctagcaga caaatgccca gcttgcccct 360
 cagtatttca aactgttttg caatcaatgc ctttgtgaaa ata 403

<210> 7830
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7830

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 gaagattgca gctccccctt catagttgct gggcaatggt cccttcgggt ggacggagat 120

ggcgactgag gcgttcaaca cactgaaaaa agcagtatcc acagcaccag ttctttgcatt 180
 acccaatttt gatgtcccat tcgtggtgga gaccgatgcg tcgggtaccg gcgtcggggc 240
 agttctttct taggtgggcc accctatagc attcttcagt aaggagttct gccccaaact 300
 ccgagcttcg tctacatata tccgtgagct tgcagctatc acgatggccg ttaagaaatg 360
 gcgccactac ttgctgggtc antcctttgt gatcctcact gatcatcaaa agttg 415

<210> 7831
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7831

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 atngacaagt tacagtctaa caatactaac tctgaggaat attcctcttt cattccgaat 120
 ctccgcctc ctatcacgtt aaacgcaaca ccaccgaaga tattgaccga gttcatgaag 180
 ccaactgctgg aaacagagct caaaagctac ggcttaatcg tcaacgactt tgcgggaactc 240
 ggaggagaag agtacatcga gcactatgag caaaccacgg gtcacaaggc gtggcatatt 300
 gggccagcgt ctcttatgtg caaaagaagc cttgaagaga aagcggagag gggac 355

<210> 7832
 <211> 359
 <212> DNA
 <213> Glycine max
 <400> 7832

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 ttcttctgat gagtctaattg ccattcttcc aaggaaggat ttttttagatg atatttcaga 120
 ttcttagaa gatacacata ttcatggaaa tcattctaaa gaaaaagacg aaggaagaaa 180
 tgaggattct caagataatg gggctagagg aaataatgaa cttccaagag aatggaaagc 240
 ctcaagagat catccctcgc acaacattat tggatgata tcaaaagggg taacaactag 300
 acactctctt aaagatttat gcaataatat ggcttttgta tctataattg aacctaaaa 359

<210> 7833
 <211> 371

<212> DNA
<213> Glycine max

<400> 7833

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agatgatggt acagcgggtg aaccagaagc tgcagtttct tttgggtgagg tagccatgga 120
aaaacagagc gtttggaacg atttcgtaaa tctcggaaaa ctattgggaa atgctggtaa 180
aaacacgaat gccaaacaga tataaatttg aatgaagaat gtagagaggc gtgtgaagca 240
acgggtcgaat ttgctttgtg gtgaacgtgc tattaatgtt aagtgattcg tttgggcacg 300
ttcagattgc agtagctgct ataattcctc tagcagacaa atgccagct tgcccctcag 360
tttttcaaac t 371

<210> 7834
<211> 355
<212> DNA
<213> Glycine max

<400> 7834

tggatatctg gcagcagaaa aacaagtagt tgagaactaa gtaaaaggaa atggcttcct 60
caatgatctc ctccccagct gttaccaccg tcaaccgtgc cggtgccggc atggttgctc 120
cattcaccgg cctcaaattc atggctggct tccccacgag gaagaccaac aatgacatta 180
cctccattgc tagcaacggg ggaagagtac aatgcatgca ggtaagacaa ctccacacat 240
atatacacac aagaggcacc aaaaagttaa aaattcatct tacacattta tatatgctcc 300
aaaatgttac ttaatttaac atgttagtca taggttactt aaattaacat gttaa 355

<210> 7835
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7835

agcttgtagg ccttggatct tcttcatcaa tggagtccta tgcttcttga attttaatca 60
caggggaatg gagaagaaga agagttgaga ggagacacca cttcaaggag aagatgagtc 120
aagaagaagc tcaccaccat agaaagccat ggataagagc ttgaaggtag aagaagatga 180

atggagggag agggagagaa ggagcacgaa attttatgcc tcaaaagagg tctgaacttt 240
gaagtttaaat tctcaaatga tcaaagttga aaaaattcac acacatggcc tctatttata 300
gcctaagtgt cacacaaaat tggagggaaa tttgaatttc tattcanatt tcacttgaat 360
tttgaaatga atttgtgaag ccaaattttg gagcccaaat ttcactaatt atgattag 418

<210> 7836
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7836

tccgttttca atttcgagtc gtctnngata ttacagggc tcgatcagat atccgagtta 60
aaagttattg tcgtttgact tttcttagag cttccgtttt caatttcgag cgtcttaata 120
tattacaggg ctcgatcaga catccgagtt acaagttatt gtcgtttgac ttttcttaga 180
gcttccgttt tcaatttcga gcgtctcgat atattacagg gtcfaatcag acatccgaga 240
taaaagttat agtcgtttga cttttcttag agcttccgtt ttcaatttcg agcgtctcga 300
tatattacag ggctcgatca gacatccgag ttaaaaag 337

<210> 7837
<211> 350
<212> DNA
<213> Glycine max
<400> 7837

atgcttgaga aaattctaac gtcaataact tttaactcgg atgtctgac gagccagta 60
atatatcaag acgctcgaat ttgaaaatgg aagctctaag aaaagtcaaa cgacaataac 120
ttttgactcg gatgtccgat tgtgtccctt acgatataaa gacgctcgta attgaaaacg 180
gaagctctga gaaaaatcaa acgacaataa cttttaactc ggatgtccga ttgagccctg 240
taatatatcg agacgctcga aattgaaaac ggaagctcta agataagtca aacgacaata 300
acttttgact cggatgtccg attgagccct gtaagatata gagacgctcg 350

<210> 7838
<211> 404
<212> DNA
<213> Glycine max

<400> 7838

agcttggtttt tctagtagtg ttagatgtct tgcataatata tcaaaaaacta tttatatttat 60
ttcggttcata acttaatacaa ataaatttta aaatatgaaa atcattttctc aattttttatt 120
tgaatcttaa tagttgaaaa ttttaaaaga taatgaattg agagaaaatt gattatatatt 180
tgtaaaaaacta atttaaaagc tacctgaaag ctggaaaact aattgaaaaa tgaaaaatta 240
gcagcttgta accaaaagtt gaaaactttt aaattaactt attaaatcac aagtgtttga 300
taaaactata tgttgaagta gttgaaaaat gtaaaatgac aagaatagaa acatttatat 360
gatattttat ataaatttta attttatttt atgggataaa tatt 404

<210> 7839

<211> 343

<212> DNA

<213> Glycine max

<400> 7839

gaacactcaa gcttttagatg aatatactta atgtacataa tttatatttt tataacatga 60
atacactaca aaagtttaaa aaaatcgcat catatattct tataaccctag ccatgaaatt 120
ttatatttata ttaattcatt ttctattgca tcaacatctt tttttacaca aataagaata 180
tgaatataat aatattaatt ttcagaagtt actgatttgt ttggttaagg acttgggcaa 240
agaaaagata attaaataaa aaaatttact caatgtgata ccgtgcaagt gaaaacaaca 300
ccaggacacc taggagtacg taacaggaca tgccacataa tgg 343

<210> 7840

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7840

agcttacaaa ggggctcatc aactccttga gtgaaagtag caatcactgg cttctttnga 60
ttgatcttgg attaagggaa aaatctattc aagaaattgt cacaaagccc atcccaagtc 120
aaaggaaagc taggaggaat agcttggtac caatgctcag ccttgtcagc aagtgaaaat 180
gagaaaagac taatacaaat gaaatcatca tccacttgat gaatcttcac tgtattgcaa 240

atatgcacaa aggtagtcaa gtgggcataa tgatcttcat aatcaaagcc atgtaacttg 300
 ttttgttgga ccaatccaat gagagatgcc cttatttcca cattgtgagc caccacttca 360
 tgttgga aaa caagtgaatt gggctctagt ctagctagcc tctcta 406

<210> 7841
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 7841

agcttcttcc ccatgagcag cctcatcacc tatctccata tcctcttcag acattctcaa 60
 cggaacaaaa attctaata gaaggcaaat caaacttggt ctgataacat tgacaaagat 120
 aacaaagata atccaagga tttggacccc catttgcttg aaccgggtac tgaccttctt 180
 cgaacctaaa ccataaaaga aaccaacgta ttgaccatca gttccataga acaatttggt 240
 aagtcttgga tcagcaaaga gtccagtga gagtcctcct agggttcctg caatggcatg 300
 agtgtggaac actgccattg tatcatcaac cttctgcagt agctttgatc tcttatggac 360
 caccatcatg gtgaaccatg gaattgagcc agataacact cccatta 407

<210> 7842
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7842

agctttccct cttcatagaa caataggggc cttaaagaacc attgccctga tgagattatg 60
 actatgtcaa agttttcaac caggcttggt catgcttcat ctgcctcatc cacatacagc 120
 ttcatgatgc tgtttaggt gtggcctctg gggctctgat cactggatct cacaaaatat 180
 ggagaccaca ggtttccaag tgtgaaattg taatcatgat agaaataacg tttgaagtat 240
 accacatctg aagagtattt gtgagaaaca tcctcaggct cagacaccta aaaaaagtaa 300
 aaccacataa gcatgtttta ggattgttat cttcatgagt aggactnttt taacatgacc 360
 aaggtttaaa aaacagttca cg 382

<210> 7843
 <211> 353

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7843

atagaacctc aagctnatac agaaatacat attttccagc aacattttga tggcactaca 60
 acaatacaac atacatcaca tggaaatatt agattacagc cagacacaat gcatagatgc 120
 tactgtgttg ggtgctttgc tacattgccca catgattttc tggtagagga actgtttgga 180
 ggggatcaaa ttcaataaag aatgtccgaa tctccatcgg agcaagttca accaccaact 240
 tcgtaggatac aacaggctcct cctctcacca ccttcggttc ttcagtggag ctttctacct 300
 tccaatctag cttcctcttt tccatttgag ctctttcttg attagcagac aaa 353

<210> 7844
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 7844

agcttgagct tatttttagat gaccaatttt aaaaaacaaa cttgagttta aagaaaatgt 60
 tgtcattggc caaaatagat tatttagtga ggattaacct atctagtacc aacttctaga 120
 ataatatctg aatatgccca aatattttta tgttcgaaaa gttaatgaga tatttttctt 180
 tatgattcaa cttaaagata gaacaattta agtaaaatat ttggaatcaa taaaatgttg 240
 ttggctgaaa ttaattatac gattaatttg ttttagataa attgtatgat tgattcttta 300
 ccattattat ttactagtcg gtaaccogta catacgcacg ggtggttccg ccaattgatt 360
 tttgatgaat 370

<210> 7845
 <211> 354
 <212> DNA
 <213> Glycine max
 <400> 7845

tacgagcgac tcgatatata atgcacatgg atcggacctg tgtttgaaaa ggtttgacca 60
 tttgaatttc tcgagagcgt cccttgttca atttcgagcg tctcgatata ttatgcgcct 120
 gagtcggacc tccgagtga aaggtatgac cattggaatt tctctagagc ttccgttggt 180

caatttcgag cgtctcgata tattatgcgc atgagtcgga cctctgagtg aaaagttatg 240
 accattggaa tttctcgaga gcttcogttg atcaatttcg agcgtctcta tatattatgc 300
 gcctgaatcg gacctccgag tgaaaaggta tgaccatgcg aatatctcaa gagc 354

<210> 7846
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7846

agctntggag aaccaagcca atcagaatgc tagacgaaat attatgggaa tagaggtaac 60
 aatggcggtg atgacggacc gaggcagaac cgggttgagg gagtaaagct caatgttcct 120
 cccttcaaag gtagaagtga tccagatgcc tacctggact gggaaatgaa gactgagcac 180
 gtatttgctt gcaatgacta cactgatgcg cagaaagtca agctagcagc agctgaattc 240
 tccgactatg cccttgtttg gtggcataaa taccaaagag aaatgttgag agaggaacgg 300
 cgagaggtag atacatggac tgagatgaat aggggtgatg gaaaaaggta tgtgcccact 360

<210> 7847
 <211> 345
 <212> DNA
 <213> Glycine max
 <400> 7847

tgcttgaac ttcctgggat ccctttgtcg ttgtcttcg gttagggtga agcttaagga 60
 gaaccaatc tcctatctgg tagttcactt cgcgatgttt cccatcaact tggcttttca 120
 tagcagctta agccttgaga agcttatttc gaatagcttg gaaagtgtta tccctatcag 180
 tcaacatctc ttcaatggcc tcaatgttcg aagaccctgt aatatattct ggaaagttaa 240
 aggggttttg gcaaaaggcg acttcataag gagtggctcc agttcccgtg ttccatgaag 300
 tattgtggga ccattcgacc cacgggagga gcttccccca caagc 345

<210> 7848
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 7848

aaactcaagc ttnggaaaat gattttctata caaaagtttag ttttataaag ngtttttacag 60
tggtcgacaa aagcgggggct tttgctccta cgtatcctta atttgtgata aggaactcag 120
acctacgtag ttcttgcaag cgggtgtgaga ctaaaatagt ctcggtgttc tttcactaaa 180
atgcgaacat gcttttagtaa agaaacaaaa cctctaacta attagagcaa catattaatt 240
ttggagaaaa acaatgtgtc tattggagaa ggagagtatg ttgataaaaa ttttcttgta 300
accacaaatg agattttgga tgttagcggtt ttgtttctaa acaaccattt agaggaaaca 360
ctggg 365

<210> 7849

<211> 368

<212> DNA

<213> Glycine max

<400> 7849

ctctaagtca cctgcggctg cactctactt atcaaagaa ctctgatacc cttgtgacat 60
gcctctgatt ctaagaagag gggggggttg aattaagata tcacaactta tttccccaat 120
taaaattcta tttcactttc tattcaagtt ataaattccc ttaataatga atttcttaaa 180
tattgattca aatacaacaa tttgaatatg aatataaaac aataataaat aaaggagttt 240
aagggaagag aaaatgcaaa ctcacattta tactgggtcg gccacaccct tgtgcctacg 300
tccagtcccc aagcaactcg catgagagtt ccactatctt ataaattcct tttacaagtt 360
ctaaacac 368

<210> 7850

<211> 353

<212> DNA

<213> Glycine max

<400> 7850

gcttgagaat ggaggatttc cttgagggtc ctttcttagg caattttgga actttactcc 60
aaactcaaaa atggaggaca catgaatgac aacgccattc attcatgggg ctccgaaaaa 120
gggtaagaat ggaggatttg cttgagggtc ctctcttagg caatcatgga acacaactcc 180
atactctaaa gtggaggacc cacgaacagg cctaagcaat agcattcatg tggtccgaa 240

aaaggatgag aatggaggat tgccttgagg gtcctctttt aggcaatcat ggaacacagc 300
 ttcaaactcg aaaatggaag acacatgaat gacaacgcaa ttcattcatg ggg 353

<210> 7851
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 7851

tgcaagcttg aatcggacct cagtgtgaaa agttatgacc atttgtattt ctcgagagct 60
 tgcgttggtt agtttcgagc ctctcgacat attatgcgcc cgaatcggac atccgtgtga 120
 aaagttatga ccattagaat ttctctagag cttccgatgt ttaatttcga gcgtatcaat 180
 ataataaag cctgaatcgg acctcagtgt gaaaagttat gaccatttta atttcacaag 240
 agcttctggt gttcattttc gagcgtctct atatgtgatg cgccttaatc cgacatccgt 300
 gtgaaaactt atgaccattt gaatttcttc agagctctcg ttgggttaatt acgagccttc 360
 tcacatatta tgcgcccga tccga 385

<210> 7852
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 7852

tgtaagattt gcaagatcat cttccttgat tactccttga aaattattgc catcaatcca 60
 aagagatgac aatttagaga gtgatccaag actttcaa atgatttccac tgaatttatt 120
 aatagagaga tcgagaaatg ttaaacttat ctcccttgag ttgcggagat ttccccaaaa 180
 agtcggaatt gttccttcaa gttgattata tgacaaataa agtgcaacaa gagaagtcaa 240
 atttcccaaa gaagttggaa tgggttcttc aagttgatta gctgataaat caagttcaac 300
 aagagaagtc aaatttccca gggcatcaga aatagtccca tg 342

<210> 7853
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 7853

atcttcttcc ggaagttagt tttttaaaaa aaatatatatt tattttgtaa taatttactt 60
 ttaattggat aaaataatatt ataaaaaat taatactatt atacataaat aattaaataa 120
 ttagtgaacg taattatgac taatatttat aatttggttt ctacgcgcac gtcaaatatt 180
 aattgtgtga caatttagta taatttaaatt cattaaaatt aattaatgcg tacattttat 240
 taaaaaatat aaatatttat tatgataaca ttaatttttt attacaaaag ttatattttc 300
 ttaacaaaat gatatttttt tgttaccaaa tggagaataa aagaattttc atttttatta 360
 ttaggtaaaa taa 373

<210> 7854
 <211> 350
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7854

atctttacag cagatgccac tctactccaa attcttgaag gatatgttaa caaggaaaca 60
 taagtacatt caccaggaaa acattatagt ggaaggaaat tgtagcgcta tgattcaaaa 120
 gatcgttcca cataggcata aagaccctgn gagtgttaact attccttggt caattggaga 180
 agtcactgtg ggaaatgctc ttatcgactt aggagccagt ataaatttaa tgccactctc 240
 catgtgtaga aggttggggg agttggagat catgcccact aaaatgactn tacaactgac 300
 tgaccgctct attaccatac catatggagt aattgaagat atgctggtca 350

<210> 7855
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 7855

tcaagaatta tggcctcatc aaactacttg tttcccgagg gtaattctat taatagacct 60
 cccatcttta atggagtggg ttaccactat tggaaaaccc gcatgcaaat ctttatagag 120
 gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctatagtg 180
 gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
 gtacaatata acttaaaggc caaaaatatt attacatctg ccctaggaat agatgaatac 300
 tttagggttt caaattgtaa aagtgctaag gatatgtggg ata 343

<210> 7856
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 7856

tgtagcaaat gcaaacggca ataacgtttt tctcggatgt tttattgagt cacgtaatac 60
 atcgaaacgc tcgaaattga aaacagaagc tctgtgcaaa ttcaaacgac aatacathtt 120
 aactcggatg tccgattgag tcccgtata tatcaagaca ctcgaaattg agaataaaag 180
 ctctgaacaa attcaaacga caataacttt ttactcggat gtccgattga gtccagtaat 240
 atatctagac actcgaaatt gagaatagaa gagctgagca aattcaaacg acaataactt 300
 ttactcggga tgtccgatgg agtcccagagc gtctcgatat attatgcgcc 350

<210> 7857
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 7857

agcttaactc ggatgtccga gccgcgctca taaataatcg agacactcga tattgaataa 60
 cagacgctct cgagaaattc aaatggatcat aactttttcac acggatgttc gattcggggcg 120
 cataatatgt cgagacgctc gaaattgaac aacggaagct ctcgagaaat tccaatggtc 180
 ataacttttc actcggagga ccgattcagg cgcataatat atcgagacgc tcgaaa 236

<210> 7858
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 7858

tatgaatgca tatgctacta gcattcctga ggcttctaata ctagcaactg gagcatatgt 60
 ctctcataaa tctattccct cttcttgatt atatectttg gtgactaatc tagccttatt 120
 ccttataact atgccatttt catctaattt atttctaaat acccattttg ttccaatgat 180
 tgggtagttt tagggtttct cgactaactc ccaaacatta tttctttcaa attgggttag 240
 ttcttctgc atagctatta tccaattttc atttattatg gcttcattta aatttttagg 300

ttcaatcata gatacaaaat catgttattg cataaatctt 340

<210> 7859

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7859

agcttatgct gcattcattt ataatagacc ccctcagtag caaaaccaac aacagcagaa 60

taattatgat ctttcaagaa acagatacaa tccaggttgc aggaatcatc caaatctgag 120

atgggcaagt cctccacaac aacaacagtc tatccctcct ttctagaatg ctgctggtcc 180

aagcaagcca tatgttcctc ctccaatgaa gcaacagcag caacaacaac aaagacaaca 240

agcaattgag gcccctcctc aaacttcctt agaagagtta gtgaggcaaa tgaccatcca 300

gaatatgcaa tntcagcaag agacatgagc ctncattcag agtctga 347

<210> 7860

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7860

taataatatt cctgaaactt tagttttttt tagaaccgng atggatgacg tcttgtgatc 60

tatgtatccg atctcaccta ttgggataaa agcttagttg ttgtttcaat tatcatattc 120

agtttttatt tgacgatttc tcatttttat gcctttggta ttcaatttta ttccatgtgc 180

ctaaccaaag tatcttggtg tgtatttaaa ttttgttttc aaggcaaggt tcctctatta 240

tctgtggagg cactgcatca cttcataca tttatttttg tcctaacttg ggcccatgtc 300

acattttgtg ttctcactgt tggttttgga gggc 334

<210> 7861

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7861

agcttttgatt tcctttgttc cggaacacctt tgttttctca tgtgcaccca aacccaatct 60
 ccgggttcga agacaacacctt ctttctccct ttgttggtt gtttagcata gcttttactt 120
 ttctctcaa ttgatcttt gactctctca tgatgcttct tcacatagtc cgcctttgct 180
 tgaccttctt tatgcttaaa aacagaaaca ttaggcatag gcaaaagatc aagaggagtt 240
 agtgggttaa aaccataaac aacttcaaaa ggaaaacaat tagtggtgct atgaacagct 300
 ctattgtnag caaattcaac atggggtaaa caag 334

<210> 7862
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 7862

tgctaactta tggaagctcc taatatcttt cacacttttt ggggtgggcc attcttggat 60
 ggccttgatt ttctcagggc ccacttgga cccatttcta ccaactacaa aacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatatctt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctagcctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtgag 336

<210> 7863
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 7863

agcttggttca tgatataaaa agagggtgatt agagtgatgc tagctaggaa acctatgtat 60
 ttactaatgc ctcatgatta ttgtttatct tttattgcta gttctttgcc tatagggtgcg 120
 aaagaattat tgaaggagtt tggggatgtc tttcccaaag acaccctca tgggttacct 180
 cctttgagag ggatagagca ccaaattgat ctcatgccga gagtttccat accaaataga 240
 ccaacatata gaagtaatcc aaaagaaaca aaagagagcc aaagacaagt ggaaagcttg 300
 atggaaa 307

<210> 7864

<211> 300
 <212> DNA
 <213> Glycine max

<400> 7864

cttaagctag aacggccatg gtgattggga agaagataat ttcatttggt gtatgtaaac 60
 tatgtttcta atgttctttc caaaaatgat ctttgcttca ataacatgat ttgtaagtct 120
 tgtgactatt aatctagttc cattgcagag gccttttagat tgatctagat tcctcaacaa 180
 cattattgga gttccatttt taatttgatt ctatgattac gaacccccaa tatctctaata 240
 tctttcacaa acttcacaac aactacctct acccagggtg tatcaattgc atcatacatg 300

<210> 7865
 <211> 267
 <212> DNA
 <213> Glycine max

<400> 7865

tttttatatc aaaataagct tgatcgatac ataagcttat ttatgtaact tatttttcat 60
 aaactacttc aattagttta ttttggtaat tcacttaaag taatttatgg aaattaataa 120
 gttagttggt actatttttt tcttaacctt actcatatta gtttattaaa ttcaatttta 180
 ccattttatt taattaaaga cactcatttt acccttttat tcgatttaga aacactcatt 240
 ctttttgctt tgtaactaaa aaaaccc 267

<210> 7866
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7866

agcttatagt cattatttgn tgtgaaccat aagccanagc tgattattcc cttgagataa 60
 gcagtgggtg gagtctccat gtatcgactg atgagtctag tagcatatag aatgtttggt 120
 cttatgcaca tcaaatatca taaactagtc accaaactct tgaaatttgt agcatccacc 180
 ttttttgctt cgtcgaaatt tgataacttc attttgcaca ccatccgtgt tccaattggc 240
 ttccaactat ccattctgaa tttcttgagc atctctttat catagttttg ntgngaaatg 300
 aaaattccat cttccttctg ctttacctca atgccaagat agtatgac 348

<210> 7867
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7867

agcttgaaat tgaacaacgg aagttctcta gaaacanaaa tggncataac ttatcacacg 60
 gacgtgcatg tcacgcgcac aaaatatcga gacgctcgga atcgaacatc gggagctctc 120
 gacaaaagac aacggacaat aactatcaca cggaaccccg attctagcgc atcacgtatc 180
 gagatactct gaagtgaaaa ccggaagctc tcaagaaact caaacggcca taacctgtca 240
 cacggaagac ccaatcaggc gcataatata tcaagacgct cgaaattgaa caacga 296

<210> 7868
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 7868

gttctcaatg ctctgttcaa gctctcccat ttcctagagg tttatctagg atctctatca 60
 gatactatgc tagatggcac accatgtaac ctgacaacct cacttatata caaggtagtc 120
 aactttttcca aggaaaatct gatactaattg ggaatgaagt gagcagactt agtcaatcta 180
 tcgacaataa cccatataga atctaaacct ctacgggtcc tacgtagtcc taccacaaaa 240
 tccatggaaa tactgtccca cttccactgg ggtatctcta agggttgtaa ct 292

<210> 7869
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7869

agcttgcatg ttaaagcata atttccccac tctatangct gataatctaa ccaacattcc 60
 ctactacct tctgaaattg cttgttcatt agccatccat cataaacctt aaaagggtta 120
 gggccccaat cactgcattt agaatgcatg ataatacgac agtgatcaga ataattcctc 180
 tcaagggtta attgggagct atcaggccat ttggacaacc atccatcaga gacacacact 240

ctgtccagtt tgcttttgca ggaaccatta cgcctaacct aagtaaaggg tttaccaca 300
caaggaatat catcaacctc cattgcagca agccaatcat tgaaa 345

<210> 7870
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7870

ctcctgttct agctntacct gattttactc aaccttttga agctgaatgc gacgctagtg 60
gagttggcat tggggctggt ttgatacaaa acaaaaggcc tatagcttat ttctcggaga 120
aattgggagg agccagattg aactatcgca cctatgacaa agagttctat gccattgtga 180
gagctcttga tcattggaat cattatttgc gttctaata ctttatatcg cattcatatc 240
atgagtcatt gaaatatatc aatgggcctc acaagttgag tccaaggcct 290

<210> 7871
<211> 321
<212> DNA
<213> Glycine max

<400> 7871

agctttgaac aaattcaa at gattataact ttttattcgc aggtccgatt gagtcccgta 60
atatatcgag acgctcggaa tggaataccg aagctctgag caaattcaaa cgacaataac 120
tttggactcg gatgtctgat tgagtcccgat aatatatcga gacgctcgaa atggaatacc 180
gaagctctca gcagattcaa acgacaataa ctttttactg ggatgtttga tcgagcgtcg 240
taatatatcg agacgtcca aattgaatac cgaagctttt agcaaattca aacgacaaca 300
actttttatt cggtatgtctg a 321

<210> 7872
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7872

tgggatgatt ctcatcttca tcttagtagt aggcgtttgc atngnatgga ctcatcgttg 60

gcattataact ntcttcacgt gctggccaat ccagagctga ttagtataaa atttcctggt 120
tgetgcgcac agaaccatga attggatggt gaatgtcgcc ggggactaag tcatgtcaag 180
agtgtaaactt tgtgatgctc tgcacccgctc ttatgataaa attgagggtta tctctgaaat 240
aaagtgcctc aaacgactta ttttccattc attggatcta atttgagtcc caactacatt 300
agagatctct gtaataaaaac 320

<210> 7873
<211> 268
<212> DNA
<213> Glycine max

<400> 7873

caaaacgcac tagagcgtgt tcttgatata ctaaatacaa tcccatcata cggacatcga 60
gaagttctga tcttataatt cgctctcagt acatgtgatc ctggtgatct catggaaacc 120
atccagaaat gcaaaaagag taaaataagg tgctcagtc tgggtcttgc agctgaaatg 180
tttgtgtgca aacatctctg cgaggaaact ggagggactt attctgttgc actacatgag 240
gttagcttgt tgattttgat gatccct 268

<210> 7874
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7874

tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggggtgtagc aagcaaagtc 60
tcaccttccc cttaggctgg accaaacttt aattgggttg ggcttctccc aattcaatta 120
aatttatctc ccaacacaca tcaaataggg cacttaatgc atgtgaaatt acaaaaactac 180
ccctaattcca naaactantc taggggccct ataatacaag agctaaaaaa tcttacatta 240
ctagggtacc ctccctacac tatggagccc taaatacaag tccccaaaaa aatgaaatcc 300
taatctaata tgtaccaaga taagtgtct cataacttagc ccatggaccc aatcttcttg 360
gag 363

<210> 7875

<211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7875

accactccca ggggtgctgga atttcttcac attgtctcga tgggtgccta tgcattgttga 60
 aagccttggga ggaaagaggt atgcctatgt tgttgtggat gattttctcca gatttacctg 120
 cgtcaacttt atcagagaga aatcacacac ctttgaagta ttcaaagagt tgagtctaatt 180
 acttcaaaca caaaaacact gtntcatcnn nanaattnnn antcaccatt gccnanactt 240
 tnaaaatagc cagtttactg aattctgcgc gtctgaaggc atcacctatg agttctctgc 300
 agcccttaca ccacaacaa 319

<210> 7876
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 7876

agcttgcttc tcttgaatat cttattcatt ttgggaaaaa atggacaaat taggtttaat 60
 tagtagggca ctaactgaaa ttaaattgaa tttgaatttg ggaatgtaag caacattatg 120
 caagactaag atgttggtta agcaaaactga accaatggca ataatgggta taatgtcact 180
 attaggcaga gttacatttt tatcaaaaac aagctggtag gatctaaaat gatgaagaga 240
 gcaagtaata tgaatgcttg caccaaaatc taaaagccaa caatcatgaa gaaaattgga 300
 agtagaaata agcatactac ttgaggaatg acaacattgg tagcatgact ttc 353

<210> 7877
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 7877

agcttggttat tcgagtattc tttcccgaga acgggggcgt tgacgacgcc agttgaaatg 60
 ttgacactgt tacctaattg attcacgttt agtggagacc ttgcagggtc tttccagcc 120
 actgtctgca cagggttgct taaagaatca aagtttgagc tcgacacaaa ctcgggcaat 180
 aagtggaaact gcacaagttc gattttctgg ctttcgttta aggagttgag gaagccagct 240

ttgaggttgg aaaaggcaaa atcatctggg gcaaggatgg ttatgccacc actcttggct 300
gttatgagct gtgagatgat gttgctcatg atttctg 337

<210> 7878
<211> 285
<212> DNA
<213> Glycine max

<400> 7878

aagatttttg ttctaagatc cttacaacta acgaattcag taataacttc cttagaaagg 60
actttctctc ggaccaaag acaatcaatt tcaacatgcc cagctccctc atggaatata 120
ggatcagaac ctatatatag gactgcctga ttatcacaac atagcttcat tcggtgagta 180
tttccaaaac ttcaactctt gaagttgtca atccaaatga gaccacctgt gactacaacc 240
ataactctat attcaccctt ctgcactaaa ccttgcaaca acatt 285

<210> 7879
<211> 374
<212> DNA
<213> Glycine max

<400> 7879

tagctctgaa gactcaagaa atattaaaac tccatttgaa tctatgcaag aaccactgg 60
tgctcaagtc ataaagtcaa gtctgagact tagtggaac tgtactgaac tattgaaaga 120
tggatatatt attgctctgt atgcaagaga ctgttctgca cttcatgtct caaggcaaag 180
ggttaaaggt ggaggttggg tcatggattc catgtcaaat gtgtcaaaaa gagaccctgc 240
tgcacagttc ctcatcatct tcagaagcaa ggttcgtctc aaaggaactt tgcattatcc 300
aaggcactta atattattat atgccagcat gtgcttcaaa atagtagttt agaatggtgt 360
aacatgtatt tttta 374

<210> 7880
<211> 254
<212> DNA
<213> Glycine max

<400> 7880

agcttttcca ccaacacttg tctgaaattc ccatcatcag gaatccaagt tctccacatg 60

gaatcattaa agggggtaac tttaacaccc ccaacagtga ccctgtgaac aacttcaaga 120
gectgttggt tcaaaccctc aaatttctct aatttcgacg aactcaaata ctgtgctgtg 180
tcagggacaa ggtccttggg cgcggaaata acctcaatgg cgttgacgaa cgccaatttg 240
gagcctttgt tggg 254

<210> 7881
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7881

gcttttagatg cctttaaagt tttttatgcc gaagtttata aacaatgagg agagcaaatt 60
aagatcgtga gattcgatag aggtggagag tactatggta gatacacaga gaatggacaa 120
acaccagtt tatttatgaa gtttcttcga aaacatggaa ttgttgccca gtacattatg 180
tctggttctc ttgatcagaa tgggtgtggca naaagaagaa atcaaacttt aatggacatg 240
gtaaggagta tgaagagtaa tagaaaactt cctcaattct tgtggattga agtactaaag 300
acaattgtgt atatattaaa tngagttcca acaaagggtg tctcaaaaac accttttgag 360
ttattcaaag gttgaa 376

<210> 7882
<211> 347
<212> DNA
<213> Glycine max

<400> 7882

agcttggaac aaatattttg aattctttgt ccccttagag attttgtaaa gatgtttgct 60
agttgatcat tagaactaac gaattcagta ataacttcct tagaaaggac tttctctcgg 120
acaaaatgac aatcaatttc aatatgttta gttctctcat ggaatattgg attagaagct 180
atatatagga ctgtctgatt atcacacat agtttcattt gttgagtatt tccaaacttc 240
aactcttgaa gttgtttaat ccaaagaga tcacatgtga ctacaacat aactctatat 300
tcagcctctg cactagacct tgcaacaaca ttgtgcttct tactctt 347

<210> 7883

<211> 327
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7883

agcttgaaat gatttcggaa tctgtttatt atncaaaggg cataacttaa taacacggaa 60
 agatcggatt caggcgcata atatattgag acgctcgtga ttgcacaacg gaagctctcg 120
 agaaattcaa atggtcataa cttttcaaac ggcagtcgga ttaacgtgca taatatatcg 180
 agaagattga aattgaacaa cggaagctgt tgagaaattt aaatgggtcat aacttatcac 240
 acagaagtcc gattcacgcg cataatatat tgagactctc gaaattgaac aacggaagct 300
 ctcgagaaat tctaaaggtc ataactt 327

<210> 7884
 <211> 269
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7884

agcttgaagg actcttgctg acttctgata tggnccttat aactcagggtt agacttcatt 60
 tattccatt gttgagtgat ntaatttga aatgggtggc gtcttatgtc ttgttgctga 120
 tttttgtatt tttttctctt tatgtttcgg agtactggac atcttttgcg agctcttttt 180
 gagattgtct tgaaatatgg atgggcacaa ttggctaata aggctttgaa cttatgcaaa 240
 atgggtgacca agaggatgta aagtgtcta 269

<210> 7885
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7885

tgccctatga cttcctgcga tccctttgtc gttttcttcc ggcgaggggtg aagcttaagg 60
 agaaccaat ctctatctg gtagttcact tcgcgatgtt tcccatcaac ttggcttttc 120
 atagcagctt aagccttgag aagcttatct cgaatagctt ggaaaggggg atccctatca 180
 gtcaacatct cttcaatggc ctcaatgttc gaagaccctn nnncatattc tggaaagtta 240

aaggggttttt ggcaaaaggc gacttcataa ggagtggctc cagttcccgt gttccatgaa 300
 nnattgtggg accattcgac ccacgggagg agcttcccc acaagcctgg cctgcatgag 360
 acgaaagctt gcatatattg ctcaatt 387

<210> 7886
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 7886

aaatagatgc attggttaac ttgtgttata ccagcttttc ttgaatcata aatctgtacc 60
 tgtcgcaaga gtctgtggtt tatgctcttc tgttgaccac catacagacc tttgcccttc 120
 catgcagcaa cctggagcaa ttgagcaagc tggagcaatt gagcaacctg aagcttatgc 180
 tgcaaacatt tacaatagac ctctcaacc tcagcaacaa aatcaaccac aacagaacaa 240
 ttatgacctc tccagcaaca gatacaacc tggatggagg aatcaccta acctcagatg 300
 gtctagccct caacaacaac aacaaaaaca acctgctcct tcttccaaa atgctgctgg 360
 cccaagcaga ccataatatt 379

<210> 7887
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7887

agcttgaagg aaaannggat gctttgnta tttnggaac ccagctggcc ttgaaccaga 60
 aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcttc tgttgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcaacc cgaagcttat gctgcaaaca 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acaacaaaac aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacct taatctcaga tggcttagcc 300
 ctgagcaaca acaacatcag cctgctcctt ccttccaaaa tgctgctggc ccaagc 356

<210> 7888
 <211> 324
 <212> DNA

<213> Glycine max

<400> 7888

atgaatgaac ggagaggaag agaagagcac gaaattttat gctctaaaag agctctgaaa 60
tctgaagttt aatattcaaa tgatcaaagt tcaaaaaatg cacacacatg acctctattt 120
atagcctaag tgtcacagaa aattggaagg aaatttaatt tcacttgaat ttgaaattga 180
atttgtggag ccaaaatttc actaattatg atcaatgaat tttagttatg gttcagccca 240
ctaattcaag atcaattcta agatttccac taagtgtgct taggtgtcat gaggcattga 300
aagcatgaag gacatgcaca aagt 324

<210> 7889

<211> 222

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7889

agcttgggag ggctttcctc cctatttgag acaaaccnag cgagcattgg ccactggaaa 60
ccggatagga tcccaagatc aataatatga acgggttctg cctttgccgc tgctttgata 120
atcattgtat ttgcaaagaa aagtataaac ttcttgaaag ggctggagga agagaaaacc 180
tgctatgcct tgagataatt agcaacagtg acgctcctag ag 222

<210> 7890

<211> 240

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7890

agcttccgga gtctttttcg atcttcttga cacngacgc gcctgaatat gacctcgttg 60
tgaaaagttc tgaccatttg aatttctcag agctcctgtt gttcacatac cagcgcgtct 120
atatgtgaag cacctgaata gcacatccga gtgaaaagtt atgaccattt caatttctcg 180
agaattttcg tcgttcaata tcgagcatct ctatatataa agagcctgac ctggacctcc 240

<210> 7891

<211> 347

<212> DNA

<213> Glycine max

<400> 7891

ttatcaaaga tttgataatc ttttaagatga tttttactca gacttggatt ttgctgggtg 60
tggtgactct cgcaggttga catctggata catcttcata atgactaatg gagcaatatc 120
ttggagaagt gcaaaacaat cattagttgc tacttctatc atggaggcta agtttatttc 180
attatttgaa acaacatcac aagggtatttg gttaaaaagt ttcataagtg gtctaccagt 240
gattgattcc attcctagac tgtaaagat atattttgat aattcagttg ctcttttttt 300
ggctaaaaac aataaaagtg gaagttgaat caagcacatt gacatta 347

<210> 7892

<211> 343

<212> DNA

<213> Glycine max

<400> 7892

agcttctcga tatattatgc acttgaatcg gacctccgag tgacaagtta tggccatttg 60
aatttttcga gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120
cggacctcgc agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttgttcaat 180
tttgagcgtc tcgatatatt atgcgcctga gtcggacctc cgagtggcaa gttatgaaca 240
tttgaatttc tcgagagctt ccgttgctca atttcgaccg ttctgatata ttataactcct 300
gaatcggacc tccgagtga aagttatgac catttgaatt tct 343

<210> 7893

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7893

agcttctaaa ctttatacaa gattgaagcc tgataccact ngntagacaa gtggcctcag 60
atatattaag aaggggggggt tgaattaaga tatcccaaac tatttcccca attaaaaaat 120
tatttcactt tcttttcaag ttatagattc ccttaacaat gaacttctta aatattaatt 180
caaatcaaac aatttgaata tgaatgtaaa gcgataataa acaaaggaga ttaagggaag 240
agaaagtgc aactcagatt tatactgggtt cgccacacc cttgtgcta cgtccagtcc 300

ccaagcaacc cgcttgagag ttccactatc ttgtaaattc cttttacaag ttcta 355

<210> 7894
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 7894

aaggataacc tattgctcat agatgagaga aattttgtgg tcatcaacta ctggcttggc 60
 ttgaatgagt ttgctgattt gagccaccga gagttcaata acaagtatct ggggctgaaa 120
 gtggactact ctacaaggag agagtcccct gaagaattca cttacaaagc atgtgagttg 180
 cctaagtcag tggattggac aaagaaatgc gctgcaaccc cattcaacaa ccaacgttca 240
 tgtggttaagc atatttttat ttattaccta ataatactga attaatccaa catgatctca 300
 ttcttattat aacatgtatt agctagtatt atttcaatat tgaacgaacc acacatacta 360
 caaa 364

<210> 7895
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7895

tgtaattcaa aagtgctaga cttggaaatt gttttgatng ttagatccgt gcatgactga 60
 tgaatgaaat tgtgtggctt tagcagcaac atcacgttca tacagatgag gacggttctg 120
 aaggtggttg ataactcggg ggagaaaaaa gtaacctgca ttcaagcatt gaaaggggaag 180
 aaagtgacac aatcatcccc tcaacttaagg aggacatgc aaaaggggag ggtgtgatgg 240
 aaatgaggtc aagttttagt acaagcaagg ccaaccatt gggactagag tgtttggggc 300
 agtgcctcat gaactcangc cnaacaacca tgtcaagatt cttacttttg ccggccatat 360
 tgcttaatt 369

<210> 7896
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 7896

aataactcaag cttctaaact ttatacaaga atgaagctct gatttttctt gttagacaag 60
tggcctcaga tatcttaaaa aggggggggtt gaattaagat attccaaact acttccccaa 120
tttaaaaatt tatttcactt tcttttcaag ttatagattc ccttaacaat gaacttctta 180
aatattaatt taaataaaac acattgaata tgaatgtaa gcaataataa acaaaggaga 240
ttaagggaag agaaagtga aactcagatt tatactgggtt cggccacacc cttgtgccta 300
cgtccaagtc ccaagcaacc cgcttgagag ttccactatc ttgtaaattc ttttacaagt 360
tctaaacaca caagacaat ccttcctttt 390

<210> 7897

<211> 343

<212> DNA

<213> Glycine max

<400> 7897

agctttgggtt tcgatgggtcc ctatgacatc tatccccac atggaaaaag gccaaagggc 60
ggacatgaca ttcagaggat gtggcggaac attgacattg tctgcgtacg cttgacattt 120
atggcatttc cttacatggg tgcagcaatc gctttccata gtgagccagt aataacctgc 180
tctaaggatc ttcttgcca tagcatgcc attggcatgt gtcccaaag aacccccatg 240
gacttcctca atcatgtaat tcgcctcttt ggcattctac cagcgtagga gggatcatgt 300
tttgtttgta caggacggta cactcacaa agaaaccagt agc 343

<210> 7898

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7898

tgtggactgc caacatgcca tatatgaaat ttaagggtag ttgggggact ctgtccattg 60
tcagttcctc atcgcccttg ggaggatccg tcaatggatt tcatcaccgg cttacctcta 120
ttccgaagta acaccacaat tctgggtggtc gtcgatcgct tctccaaagg catccatttg 180
ggcattttgc caacgnetna ctctccctc actgctgcaa cactattcat tgaaatcctt 240
ggaaagatac accaaatgcc tcaaagcttg gtgtccgaca gggatccact tttcctgaag 300

atgagcttcc cttatcaccc tcacagtgat ggccca

336

<210> 7899
<211> 402
<212> DNA
<213> Glycine max

<400> 7899

tttaagaagg caatttccaa tcatgctatc ttatgcaatg acaattaaca agtctcaagg 60
ccaatcactt tctatgggtg gactttatct gccaaaacca gtctttcgcc atggacaatt 120
atacgttgca ttatcaaggg tcaattcaag gcaaggatta aaagttctta ttcataataa 180
agacaaaaaa aatatgactt atactaccaa tgtagtcttc aaagaggttt tcaaaaatct 240
tacaaggtaa ctctaaatct tgaacaaca aattgtacta tttattggca acaattccta 300
actgttatct tactcatata cattctaaca tacagcccaa gatgatatca tatattacaa 360
tcttaaaatt tacattgtca tgtatgtaac cttaattacc ac 402

<210> 7900
<211> 349
<212> DNA
<213> Glycine max

<400> 7900

agctatgctg caaacattta taatataccc cctcagcagc aaaaccaaca acaacagaat 60
aattatgacg tttcaagcaa cagatacaat ccagggttga ggaatcatcc aaatctgaga 120
tggaagagtc ctctacaaca acaacagcct atccctacct tccagaatgt tgctgggtcca 180
agcaagccat atgttcctcc aatgcagcaa caacaacaac aacaacaaag acaacaagca 240
actgaggcac ctctcaacc ttccttagaa gagttagtga ggcaaatgac aatccaaaat 300
atgcaatttc agcaagagac aagagccttc attcagagtc tgacaaatc 349

<210> 7901
<211> 391
<212> DNA
<213> Glycine max

<400> 7901

taccaccata ggaggccatg gataagagcc tggatgaaga atgagatgaa tgaacggaga 60

ggaagagaag agcacgaaat tttatgctct aaaagagctc tgaaatctga agtttaatat 120
tcaaagatgc aaagttcaaa aaatgcacac acatgacctc tatttatagc ctaagtgtca 180
cagaaaattg gaaggaaatt taatttcact tgaatttgaa attgaatttg tggagccaaa 240
atttcactaa ttatgatcaa tgaattttag ttatggttca gccactaat ccaagatcaa 300
ttctaagatt tccactaagt gtgcttaggt gtcattgaggc atgtaaagca tgaaggacat 360
gcacaaagtg tgactatatg atgtggcaat g 391

<210> 7902
<211> 256
<212> DNA
<213> Glycine max
<400> 7902

gtgcctgtat attgatgcgc ctgaatcaga catacgagtg aaaagctatg accattagaa 60
ttatttgaga gcttcctatg attaatctcg agcgtgccga tataatatac acctgaatca 120
aacctcagtg gaagaacgta tgaccatttg aatttccttc gagcttccga cgttcattgt 180
ttagcgagct tatttgtgag gcacacgaat cagacctccg cgtgaaaaga aaggaccatt 240
tgaatttctc gagagc 256

<210> 7903
<211> 363
<212> DNA
<213> Glycine max
<400> 7903

gcttctaaac tttatacatt aatgatgctc tgataccact tgttgacaa gtggcctcag 60
atatcttaag aaggggggggt tgaattaaga tattaataact tatttcccca attaaaattc 120
tatttcactt tctattcaag ttataaattc ccttaataat gaatttctta aatattgatt 180
caaataaaac aatttgaata tgaatataaa acaataataa ataaatgagt ttaagagaag 240
agaaaatgca aactcagatt tatactgggt cgccacacc cttgtgccta tgtccagtcc 300
tcaagcaacc cgcttgagag ttccactatc ttgtaaattc cttttacaag ttctaaacac 360
aca 363

<210> 7904
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7904

gcttcaagaa aaagatgggc tcatctaact ccttatttcc agaaggggaat tctatcaata 60
 gacctccaat ctttaatgga gaggggttacc actactggaa aacccgaatg caaattttta 120
 tcgaggcaat agatctaaat atctgggaag ccatagaaat agggccttat ataccacca 180
 cagtagaaaag agtttcaata gatggtagtt catcaagtga aagcataacc atagaaaaac 240
 ctagagatag atgggtctgaa gaagatagaa aacgagtaca atacaaccta aaagccaaaa 300
 acataataac atctgccta ngaatggatg aatatgtcaa agttcaaatt gcaagaatgc 360
 ttaggaaatg tgggacact 379

<210> 7905
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 7905

agcttgaaca aatcttctac agttgtgagt gataacatgc agtcttcttg aacccttacc 60
 gcccactttg tcgtcatgcc gagactcgag aagcccatca ggttttagcct tttcaatgta 120
 ctctgaacaa aatccaatgg cttcttctgc aatgtacctt tcaacaatag atgcttcggg 180
 acgatgtaga ttcttcgtat acccttttaa gatcttcatg tatcgctcga ccgggtacat 240
 ccacgcgaaa taaacaggac cacaacattt gatttctctg accagatgaa caattaagtg 300
 aaccatgatg tcaaaggaag caggaggaaa atacatctcc aactaacaca gtataattgc 360
 aggctcgttt tct 373

<210> 7906
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7906

agcttncaact tgataatgga gacacttgaa ctctcgctagg caacgacatt catggcgctc 60

cgaacaaagg tggagtatgg aggattgcct tgagggtccg cacttangca atcatgaaac 120
 taagctccaa actcgaaagt ggaggacaca tgaacaaccc taagcaataa tattcatgtg 180
 gctccgaaaa aggatgagaa tggaggattg ccttgagggt cctctcttan gcaatcatgg 240
 aacacagctc caaactcgaa aacggaggac acatgaatga aaccgcaatt cattcacgtg 300
 gctccggaac aagatgagaa tggaggattg ccttgagggt cctctcttan gcaatcatgg 360
 aacacagctc caatcatgga acac 384

<210> 7907
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7907

tctcgagana ttcgaatggg tataactttt cccacatatg tccgattcgg ggacataact 60
 catctagacg ctcgaaattg aacaacgcaa gctctcgaga aattcgaatg gtcataacat 120
 ttgcacaaaa tgtccaattc tgggacataa tatatcaaga cgctcgaaat tgaatagcgg 180
 aagctctcgg gaaattcaaa tggtcataac ttttcacatg gatgtccgat ttgggaaaat 240
 aatatatcga gatgctccaa attgaacaac gaaagctatc gagaaattcg aatgggtccga 300
 acttttcgca cggatgtccg attccggggac ataactcatc ta 342

<210> 7908
 <211> 410
 <212> DNA
 <213> Glycine max
 <400> 7908

taataaatct atatatgggt taaaacaagc ctcccgttag tggaacctta agtttcatga 60
 gataattttt tcatttggtt ttaatgaaaa tcccatgaat caatggatat accacaaggt 120
 caataggagt aaaatatggt ttcttgtttt atatgtagat gatattttac ttgtagccaa 180
 tgatcagggt ttgctatatg aggtgaaaca atttctctct acaaaatttg acatgaagga 240
 tatggatgat gcatcttatg tcattggcat taagattcat aaaatgatag acctcgaggt 300
 attttaggtc tatcacaaga aacctatatt aacaaaattt tagagagatt tcggatgaaa 360

tattattcac caagtgttgc tcccattgtg aagggtgata ggtttaattt 410

<210> 7909
<211> 364
<212> DNA
<213> Glycine max

<400> 7909

gcttgggtccc caacgctttg ttcattgtct cccaaaatct agaggtaaac ctaggatctc 60
tatcagacac tatgctagaa ggcataccat gtaatctaac aatctcactg atatacaggg 120
aggtcaactt ttccaaggaa aatttgatat taatgggaat aaagtgagca gacttgggtca 180
acctgtcaac aataaccag atagaatcaa aacctttggg ggttctaggt agtcctatga 240
caaaatccat ggaaatactg tcccatttcc actagggtat ctccaagggt tgtaacttcc 300
cgaaagatct ttggtgttct atcttagcct tctgacagac taaacatgca tacacaaact 360
cact 364

<210> 7910
<211> 361
<212> DNA
<213> Glycine max

<400> 7910

tgtaatcgat tacacatata ctgtaatoga ttacttgagc agattttcag aaaatattct 60
caacagtcac atctttttat gtgggttctta aatggctatc aaaggcctat atatatgtga 120
ctggagacac gaatttgcta agagtttttc agaacaaaaa agtcttatcc tcttataaag 180
caaaattggt ttatcctctt acaaattcct tgtccaaatt acttgtgatt caataaggaa 240
tttttgagtg ctcaaattgt tcaatctatc tctttcaaga gagatttctt cttttcttct 300
tcttcattct gaaaagggat taagagaccg aggggtctctt gttgtgaaag aattctaaac 360
a 361

<210> 7911
<211> 377
<212> DNA
<213> Glycine max

<400> 7911

cgcatgaagc tttatatgga cgaaagtgtc aaaactccta tttgttggtg tgatgatgga 60
gaagcagtac ttcttggacc tgaaatgcta caacagatta actaacaagt gaagttgatt 120
cgagggaaga taaaagcatc tcatgatagg cagaagagct attatgattg aaggaggaag 180
ccactatatt ttcaggaagg agaacatgtg tttttgaagg tttctcccggt aaccggagtt 240
ggaagagctc tcaaggctag gaagttgaca cccaagtatc taggtccgta tcagattttg 300
aagaagattg ggcctatagc ttatcatatc gccttacctc ccgattttatc gaatttgcatt 360
cccgtgtttc atgtctt 377

<210> 7912
<211> 366
<212> DNA
<213> Glycine max

<400> 7912

tgacatgcta ttgaacaagc agttatatac tctgcttcac aagtagagag tgcaacaaca 60
tcctgtttct tagagcacca ggagatggga gcacctccaa acaataaaac atgccccatt 120
atgctttttc tgtcaagaac atctccacca cagtctgagt ctgaataagc cacaagttgt 180
ggctcaacct tctctttcta atgtggaaat agaacaccaa agtctagtgt gctctcaagt 240
atctcagtat ccttttagct accatcatat gtgaatgtct tggatcactc ataaacctac 300
tgataactcc cacattgaaa gtgatttctg gtctggaatg acaaataaat ctgagactcc 360
caacaa 366

<210> 7913
<211> 403
<212> DNA
<213> Glycine max

<400> 7913

ttgagagaga atcggttatt tgaccaacca acttgttttg atgcagcata agttcagtta 60
gttcttttaa ttcagagagc ttatcaggta ttggaccttc taatacattt gcatatagag 120
agagcccctg aaggtgagaa agtttggaca gttctggagg aatttgacct gaaaacctat 180
tttctgaaag ggataaagtg acgagttgat tcaagtttcc aatctctggt ggaattggtc 240
ctatgaaaga atttgcattc agctgcaggc gtatgagttt agacaggttc tggataacctg 300

atztatcaa tccactgaag ttgttcattg ccaaacttag agtgctaaga tttgagcagt 360
tatagaggtc atctgggatt tcccagtc tttgttgga tgt 403

<210> 7914
<211> 376
<212> DNA
<213> Glycine max

<400> 7914

tgtgcatcca ataccatgat gaggatgtcc cttatgttct taaaactgga ctgatccatt 60
tgcttccaaa gtttcatggc tttgcagggt aagaccaca caagcatctg aaagaattcc 120
atattgtcta ctccaccatg aaaccacaag atgtccagga ggatcacata tttctgaagg 180
tctttcctca ttcttttagag ggagtggcaa aggactggct atattacctt gctccaaggt 240
ccatcacgag ctgggatgac cttagagag tattcttaga aaatattttc cctgcttcca 300
ggaccacgac catcagaaag gatatttcag gtattagaca actcagtgga gagagcctat 360
atgaatactg ggagag 376

<210> 7915
<211> 383
<212> DNA
<213> Glycine max

<400> 7915

ttgtgaagct cctgttttag ctttaccoga tgtttctcat ccatttgaag ttgaatgtga 60
tgctagtgga gttggcattg gggctgtttt gatacaaac aaaaggccta tagcttattt 120
ctcggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180
cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaactact ttatattgca 240
ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300
taaattgggtt gaatttcttc aatcttttaa tttctcttca taatacaagg atggtaagag 360
taatgtggtg gctgatgcac ttt 383

<210> 7916
<211> 364
<212> DNA
<213> Glycine max

<400> 7916

agcttgaaca aattcaaatg acaattactt ttactcgcgca tgtccgattg agtcccgtaa 60
tatatcgaga cgctcggaat ggaataccga agctctgagc aaattcaaac gacaataact 120
ttttactcgg atgtctgatt gagtcccgtg atatatcgag acgctcgaaa tggaataccg 180
aagctctaag caaattcaaa cgacaataac tttttactgg gatgtctgat tgagtgcctg 240
aatatatcga gacgctcgaa attgaatacc gaagctctta acaaattcaa acgacaataa 300
ctttttactc ggatgtctga ttgagtcctg taatgtatcg gaaccctcga aatgaatgtt 360
gagc 364

<210> 7917

<211> 401

<212> DNA

<213> Glycine max

<400> 7917

tctccactaa tctagtgtt gcaacattgg tataacttcc accatcaatg attagagaac 60
aaacctttcc attcaccaaa catctagaat gaaaaatgtt ttcattttgt gtatcatctc 120
tatctttgca caagcttccc atgagtctcc ttaccatcaa aagatatccc tcttccggtg 180
gaagaaaacc atcatcctcc gcttcactag aggaactatg agaactctta gatcactatc 240
cacctctcca ttcttcaaca caatcatgtt ccttttggtt gaatattggg atgaaatatg 300
attatttccc aaacacttaa agcatttaat ggaactagtt ttattggaag ggggttgagt 360
agcagaagta ggattacctc ttgaagactt ccttttaaga t 401

<210> 7918

<211> 384

<212> DNA

<213> Glycine max

<400> 7918

agcttatgtg caaatattta caatatacct cctcaacctc agcagcaaaa tcaaccacag 60
cagagcaatt atgacctctc cagcaacaga tacaatcctg gatggaggaa tcacctaac 120
ctcagatggt ccagccctca gcaacaacaa cagcagcctg ctcttctctt ccaaaatgct 180
gttggcccaa gcagaccata cattctcca ccaatccaac aacagcaaca accccagaaa 240

caaccaacag ttgaggcccc tccacaacct tccctcgaag aacttgtgag gcaaatact 300
atgcagaaca tgtagtttca acaagagacc agagcctcca ttcagagctt aaccaatcag 360
atgggacaat tggctaccca attg 384

<210> 7919
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7919

ttagttgttg gtgctgatgt tagtatgatt ggaccgtttg gtgtgggggt ctactctaca 60
tatcttattg tcgaaaagggt cattgttacc accaagcaca atgatgatga gcaatacatt 120
tgggagtccc aagctagagg ttcattgatt tttacctgct tccatgtgct actcgtgcc 180
accatattct ctatctccct ctacttttcc ttacctctca catgattcat tataatgtta 240
tgaatcttgt tatctcaatt ggattccttg attttcattt taatagtcga gaactaactc 300
tgttgtatgt gtatagatgg atattntgag tatttgtgct ttataataac tattctttct 360
tcattacaca actctagcat atcctgg 387

<210> 7920
<211> 363
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7920

tcaaacttac aacaaaggag ttgagcaggt aaaatagatt cgtcttcaaa ctcttagagg 60
tgactttgag tgtttgttta tggaggagtc cgagtcaatt tatgattatt tttctcgagt 120
attggccgta gtcaatcaac ttaaaagaaa tggatgaagat gttgatgagg tgaagggtat 180
ggaaaaaata cttcgaactt taaatccaag ttttgacttc attggtacca acattgaaga 240
aaacaaggat ttaaagacca tgactattga gcaactcatg gggttccttac aagcacacga 300
agaanaacaa aagagaaaaa ttaaacaaaa ggaggctacg gagcaactac tacaactcaa 360
cgt 363

<210> 7921

<211> 309
 <212> DNA
 <213> Glycine max

<400> 7921

agcttctgtt atgaatttcg agtgtctcga tatactacgg gacacaatcg gacatccgag 60
 taaaaagtta ttgacatttg aatttgctca tagcattcgt tgtcaattac gagcgtctag 120
 atatattaaa ggattcattc ggacatccga gtaaaaagtt attatctttt tattttgctc 180
 agagcttctg ttttcaattt cgagcatctc gatataattac aggactcaat cggatatccg 240
 agtcaaaagt tattgtcgtt tggatatgct acgagctttc cgtttcaatt acgagcgtct 300
 aatatgcta 309

<210> 7922
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 7922

agctgctaac ccatggaagc tcctatatat ctcccacact ttttgggggtg ggccattctt 60
 ggatggcctt gattttctca ggggccactt ggaccccatt tctaccaact acaaaccta 120
 agaaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgtctgagat gtccctaagt atcatctagg ctctactat 240
 aactaaaa atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
 attcatacaa accaaac 377

<210> 7923
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 7923

agctctgggtg ggacatcttg acttgetttc caatctgaca ttcaccacag attctgocct 60
 cttctatttt cagattggga atgcctctaa cagcaccttt gtcaatgatt ttcttcatgc 120
 ctcttaagtg cagatgtcca aatctttgat gccatatatt gacttcatct tctttggaga 180

ctagacatgt ggaggagtaa ctggtttctt gaggtgtcca taggtaacag ttgtcctttg 240
atctgctgcc cttcattaag acttcactct tctcatttgt caccaagcat tctgactttg 300
tgaagttttac attgagtcct tcatcacaca actgactgat gctgatcaag ttcgcagtca 360
gtccctttac 370

<210> 7924
<211> 391
<212> DNA
<213> Glycine max

<400> 7924

tcatgagaga gtcaaagatc aaattgagag gaaaagtaat tgcttgctaa acaagccaac 60
aaagggagaa agaaggttgt cttcgaaccc ggagattggg tttgggtgca catgagaaaa 120
caaaggtttc cggaacaaag gaaatcaaag ctttatccaa ggggagacgg accatttcaa 180
gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tgcccgggtga gtataatgtt 240
agttccacct tcaatgtctc tgatttatct ctttttgatg cagatggaga atccgatttg 300
aggacaaatc cttctcaaga gggagagaat gatgaggaca tgaccaagag caagggcaag 360
gatecacttg aaggacttgg aggacctatg a 391

<210> 7925
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7925

agcttaaaaag attggctaag attttggttaa aacataagca cttagacaat gaaggaaagc 60
tggagttgct gcacatgatg tccaatgtta tgtcaaagaa taagatcggg ctgcacaatg 120
cacaaggcaa gataaagtgt caaatgaaga attgaagctg caggattcac gatgtcggat 180
ataatgtcca ggacatcctg cctgaaaata ctggaattgc taaaagcatt gaagctgcag 240
gatccacgat gtctgataca atgtccagga catcctgccc gaaaatactg gagctgctaa 300
aagcattgaa gttgcaggat ccacgatgtc ggatacgatg tccacgacat cttgcccgan 360
aatactggac ata 373

<210> 7926
 <211> 401
 <212> DNA
 <213> Glycine max

 <400> 7926

 tatgcgaaat acttggaataa ttaaactctt atctttacaa taatttattt tcacctcaac 60
 caataatggt tttgttatat tgatgagacc acttataata agtataaata tataattaat 120
 tatggaaatg agtactatgg ttattaacga aatatgaagt aataggatta catattaaaa 180
 ttttaattatg tttttgttat attgattatg cattaattat actatttatt aaacataata 240
 aatattttaag ttttaaagat ttatgaaagt ttacctcttt attattgcat atcatgaata 300
 tgagatatgt acgcattaaa tgtatgacag agatacatgt taaaaaatct aatatttgat 360
 agagttatat tatatttatt aatggaataa atatcacatt c 401

<210> 7927
 <211> 404
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7927

 ntagccaaac tgtaaaactt ggcaataaca ctagaatggc tgttggtgga aaaggatatca 60
 ttcatatgca agtgaatgga tttacttagg aaattgcagg tgtctattat gttcttgaac 120
 ttaagaataa tctattgagc atagggcaac ttcaagaaaa aggcttgact attttgattc 180
 aacatgggaa gtgtagggta tatcaccctg agaaaggatt aattatgcag acatatatga 240
 gtggaaatag aatgttttct ttgttggtta ccatgatacc aaaatctttt tcatgtttcc 300
 aaattgtatc agaaaatgaa tctcatcttt ggcattgtcg gtttggtcac ttaggtaca 360
 atggattgag gacacttttt gataagaaga tggtaaatgg gctg 404

<210> 7928
 <211> 331
 <212> DNA
 <213> Glycine max

 <400> 7928

 tgcaagcttg taatctatta cacatatact gttatcgatt accagagcag attttcagaa 60

aatattctca acagtcacat ctttttatgt gggctcttgaa tggctatcaa aggcctatat 120
 atatgtgact tgagacacga atttgctaag agtttttcag aacaaaaagg tcttattctc 180
 ttataaagaa aaatcgtttt atcctcttac aaattccttg gccaaattac ttgtgattca 240
 ataaagaatt atttgagtgc tcaaattggt caatctatct ctttcaagag agaaatcttc 300
 ttctcttctt cttcattctg aaaagggatt a 331

<210> 7929
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 7929

tctattttca atttcaagcg tctcgatata ttactttact taatcggaca tccgtgttaa 60
 aagttattgt ggtttacaat tgctatgagc ttctgttttc aatttcaagc atctcgatat 120
 attacggggt ttatttagac atccgagtta aaagttattg tcggttgaat ttgctcagag 180
 ctttttagatt caattttcag cgtctcgata tattacggga cttaatcgga catccgaggt 240
 aatagttatt gtggtttgca attgctatga gcttctgttt tcaatttcga gaatctcgat 300
 atattacggg attcattcag ccactctgagt aaaaagtaat tggctcgttga atttcctcag 360
 agcttctatt ttaaattcga gc 382

<210> 7930
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7930

gcttcaacat cagaccactt ccagtttgct ggaactactc cacatggatt tgatggggcc 60
 tatgcagggt gaaagccttg gaggaagag gtatgcctat gttgttggtg atgatttctc 120
 cagatttacc tngtcaact ttatcagaga gaaatcagaa acctttgaag tattcaaaga 180
 gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240
 tggcagagaa ttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga aaaacangac 360
 ttgtgc 365

<210> 7931
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 7931

taagagggtat ggcagtgcta agggatgttt cccttgatag gataaggtag aaagattgtt 60
 taagaaggag tgctatttta atatcacctt ttcttgcaaa atgattttcc ttcttaacaa 120
 tcttcttgga ggaatccttt tcttcctttt ccttcccctt ggactttgaa gacaaggcct 180
 tactatcctt ctttttcttt tgtttttcta gtttttcttc ctcatccctc ttatctttca 240
 tagttagttg atctttggcc acctgtgaag gtgtttgagg atgcaacaca aatttagtgc 300
 caagatgggt gagggtaatc tcattagtta ggccattgta aatgatcttc ctatcaaatt 360
 gccaccgtct tcctaaaaga atatgtccta cc 392

<210> 7932
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 7932

agcttgatc ttttccatt attaataaga cgagttcttt tcctttttct ctgttcata 60
 ctgatgatg gggctctgct aatgtcctta atatctcatg tgctaaatgg tttttaacct 120
 tcatagatga ttgtactcga gcaacttatg tcttcttatt aaaataaaaa tctgaagtca 180
 gctttgtttt tattcacttt gtgtcaatga ttaaaaacca atttgagtc aatattaaga 240
 gaattagggt tgacaatgcc aggactact ttaattttgt gctaaaatct ttttgtcaaa 300
 aggaaagaat aatccatgag tctttaagtg ttaacacaca ccaacaaaa t 351

<210> 7933
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 7933

ttggctcaga gcttcaacat ttcaatttcg accgtctcga tatgttaagg gactcaatca 60
 gacatccgag taaaaagtta tggctccttg tattggctca gagcttcaac attcaatttc 120

gagcgtctcg atatgttacg ggactcaatc agacatccga gaaaaaagtt atcgtcgttt 180
gagttggctc agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat 240
cagacatccg agtaaaaagt tatggtcctt tgtattggct cagagcttca acattcaatt 300
tcgagcgtct cgatatgtta cgggactcaa tcagacatcc gagaa 345

<210> 7934
<211> 394
<212> DNA
<213> Glycine max

<400> 7934

agcttcagtg gcttagtgaa gatgaagatg ttaaagtgac tcaacagggt gaggtgtgtc 60
tcaccattgg gagatataat gacaagggtc tgtgtgatgt ggtcccaatg gaagcgaccc 120
atgtgctgtt aggaagatcg tggcagtatg ataccaaggc agtgcattgat ggcttcacca 180
acaacatctc tttcaagcaa gctgacaaga agattgttct caaacgtta tctcctcaag 240
aggtttgtga ggatcagata aaaatgagag aaaagaaaaa gagtgagaca cttgagagga 300
aaaagagtga gacacttgag aaggaaaagt gaggaagaaa aaagagtga acactcgaga 360
gggaaaagag agaaaacaaa aagagtgaac cact 394

<210> 7935
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7935

cgacaatact tttctcgagg ttcttatatt ccttaatata tcgagacact cccaattgaa 60
attggaagct cggatcaaatt tcaaacgaca ttaacttttg acttggtatg ccgattgagt 120
cccgtaatat atcgcgacgc tccaaattga aaacagaagc tctaagacaa ttcaaacgac 180
aataactttt tattcggatg tccgattgag tcccgtata tatcgagacg ctccaaattg 240
aaaacggaag ctcgtatcaa attcaaacga caataacttt tttctcgat gtccgataga 300
gtcccgtaat atatcgacgac gtcctcaaat gaaattggaa cctcgtatca aattcaaacg 360
acaataactt ttaactcgga tgtccgattg agtcccgtaa tatatcgaga cgctccaana 420

tgaaaacgga agctc

435

<210> 7936

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7936

ctatngggca tccgagtaaa aagttattgt cgtttgaatt tgatacgagc ttccaatttc 60

aatttgggagc gtcgcgatat attacgggac tctattggag atccgagaaa aaagttattg 120

tcgtttgaat ttgatacgag cttncgtttt caatttggag catctcgata tattacggga 180

ctaaatcaga cattcgagtt aaaagttatt acggcctgaa tttgctacga gcattcgttg 240

tcaattttga gcgtctcgat atattatggg actcaatcgg acatccgaga taaaagttaa 300

tgtcgcttta atttgatagc aacttccatt ttacaattgg agcgtctctg aatatta 357

<210> 7937

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7937

caattcttgg tgggtgaagct ccttcnttcn tgtttattcc ctagaggatg gtgcctcccc 60

tctccccctc tcctttgcct tccgctgcat ctccatgggtg aaaaatcacc attgaaggac 120

ctcattgaag ctcanagatc cagcctccat agaagctcca ctagcaagct tccatcaatt 180

atcatcacia catattcaga aaacccaaac cccacaatct gatgtaagct ccattggagc 240

ttgtacgcct aggatcttct tcatcaatgg attcctttgc tccttggaag atgaatggca 300

gcggaatgga gaacgaagag agagaggaga cgccacttca acgagaagat gagtttagaa 360

caagcttacc accataggag gccatggata aaagcttggg ggaagaacga gatgaatgaa 420

cggagacgga gag 433

<210> 7938

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 7938

ctttcctctg natgctctga tagggtttcc atgtattata tagaatgaga anggattgaa 60
gcctccattc cactatctac gtgcgatgag tattttctccc gccacagaca ttatttttgca 120
aatcccaaca gtgaagatgt gcgaaatgaa ttgcaaacca catatcaaaa tttcatgaca 180
atctaacggt taacgaatct gggatcatag ttttacggag acagtttttg atttttacgg 240
gaaaaaaagc tacgatacaa aagatatttc tctcaactcc aacatgtttt cataattccc 300
aatggtgaga atattcagaa atgagttctg aacctggtgc tcaaatttca cgatgatcta 360
acggtgaatg agtctgagag ggtttttggtg gtatgcggga aaagagatcg tca 413

<210> 7939
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7939

attccatttc gagcgacncg agatattact agtttcaatc ggacatccga gtaaaaattt 60
attgtcgttt gaatttgatc agagcttcaa cattcaattt cgagcatctc gatataattac 120
gggactcaat cagacatccg agtaaaaagt tattgtcgtt cgaatttgct cagagcttct 180
acattcaatt tcgagcggtc cgatatatta cgggactcaa tcggacatcc gagtaaaaag 240
ttattgtcgt ttgaatatgc tcagagcttc ggtattccag ttcgagcgtc tcgatataatt 300
acgggactca atcagacatc cgagtaacaa gttattgtcg cttgaatttg ctcacagctt 360
ccgtattcca tctcgagcgt ctcgatatat ta 392

<210> 7940
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7940

agctntgagc aaatncaaac gtatttnatt ttttttgctg gangncngan cgacccccgc 60
aatatatcaa gatgctcgaa atggaatacc gaaacctga gcaaatacaa actacaataa 120
ctttttactc cgatgtctga tagagtcccg taatatatcg agatgctcga aatggaatac 180

cgaagctctg agcaaattca aacaacaata actttttact cggatgtccg attgagtccc 240
gtaatatatc gaaacgcttg aaattgaatg ctgtagctct gagcaaattc aaacgacatt 300
aactatttac tcggatggcc gactgagtcg ggcaatatat cgagacgctc gaaatggaat 360
accgaatctc tga 373

<210> 7941
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7941

agctttngga ggctgtgttc attttttctt gctctgatag cgcnnnggaa agaacagtac 60
aggtggttcc ttaaaaaggc ggaatgacag tggtacgaaa tgagatgaat gacttgatac 120
caacactaac tgccactggg tggatgatgt gtatcgacta tcgcacgttg aatgaagcca 180
cacataatga ccatttcccc ttacctttta tggatcacat gctggaaagg cttgcagggc 240
acgcatacta ctgcttntgg atggatattc atgatacaac catatcgcgg tataccccac 300
agatcaggag aagacggcct ttacatgccc ctntcgcgtc tttgcttaca taaagatcgc 360
attcgggtta tgtatcccac taccttcttc agagggtgat gcta 404

<210> 7942
<211> 450
<212> DNA
<213> Glycine max

<400> 7942

tccataaaaag ccaaactaag caataaagta ctctcgtatt tttccctctg cctccggttg 60
tcgggcaatc ccttctacag cttgccctgc agcagtgcct tgaccaaccc caggtccaat 120
agaagcaagc cctacggcca acccagcagc aataacagaa gcagcagaaa taattggatt 180
catgataatt tcctcgtaac ctaaataata aataaagaaa tagttaatga tataatcaac 240
caataaatta tgacttaatt tttcaattat caagatttat tcggttttaa gtaattaata 300
agaattccga attgaaaata ataatagtta ttgaactcta cgaattactt cgagatttat 360
tttttcgtct ctacctacat acatagcttt tttttgtgaa tatgtagaac ctctggtctt 420

atcctacctt caatttggaa tcattctttg

450

<210> 7943

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7943

tgcatgcaca aagtgccagt ggaggacgac agtatctnng gttcatattg tccagagaag 60

cggccagcaa gactaaccce cataccttat tggctgacaa attctcaagt tggagggttat 120

ggaaaacctg cccctgaaga tcttactgct gattatggac actggaaacg tatagtgtcc 180

aagtcttcat ttaatgggat aagaattaat tggccaata tgccgaatgt catggatatg 240

agatcactct atggaggggtg agtgaaatct gtctgttccc atgttactct gaattatatt 300

aaccggccat tttgacatac ttcactagct ctttcggcta caggttngct gctgtcttga 360

tagattagaa tatttgggtc atgaatg 387

<210> 7944

<211> 327

<212> DNA

<213> Glycine max

<400> 7944

agcttcgaag cgcgggggtg tcttcgttat tggactcacc agcatcatgt tcgtttctgc 60

gcgcatcaac aaagccttgt tcggtgtcta accatctccg gcgaatttca cggcgacgcc 120

cttgccgagg atcccgcggt cgaagttgcy gtacacgtgg acgccggtgt cgttcacat 180

aaaactatta tccagagcgc ctacggttag ggtttggacc ccgccattcg cgggctcttc 240

gaattcctcc attaaatcgt ttctccgccg cgacggcgac ggcgaaggag acggttctcc 300

ggagactgcy ttctcccaca cagaatc 327

<210> 7945

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7945

ctacttcaca tggatttgat gttgcctatg caagttgaaa gccttggagg aaagaggtat 60
gcctatgttg ttgtggatga tttctccaga tttacctgng taaactttat cagagagaaa 120
tcagaaacct ttgaagtatt caaagagttg agtctaagac ttcaaagaga gaaagactgt 180
gtcatcaaga gaatcaggag tgaccatggc agagaatttg aaaacagcag gttcactgaa 240
ttctgcacat ctgaaggcat cactcatgag ttctctgcag ccattacacc acaacagaat 300
gggatagttg agaggaaaaa caggaccttg caagaggctg ctcggtcat gttcatgcc 360
aaagaacttc cctataatct ctgggctgaa gccatgaaca cagcatgcta catccacaac 420
agagtcac 428

<210> 7946
<211> 232
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7946

gcctgaatcg gacctccgaa gaaaaatatg accatttgac tttttaagct tcgttgtgaa 60
tttcgagctc ctcgatatct gacgtgcctg aatccgacat tcgagtgaac agtcgggaca 120
acttccattt ctccagagct tccgctgttc aattctgagc gtctcgatat gtgatgctcc 180
tgaatcggac cctcctgtga taacttatga ccattnaat tgctctagat ct 232

<210> 7947
<211> 419
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7947

agcttagtga attatttata caatctaatt gtcttatctg gaccaatccc agcttccata 60
ggctacttgg tccatttggg ctccctgttc cttgatagaa atgaactctc tgggtccatt 120
cctttcatca ttggaaatgt gtcaaagctt agtgaattat ttatatactc taatgaactc 180
actggatcaa ttccctccac tattggaaat ttatcaaagt gcagggcatt actatttttt 240
ggaaatcaac ttggtggcaa gattccaata gaaatgaaca tgcttactgc tctggaaaat 300
ttgcagctag ctgacaataa ttntataggc catttacctc aaaacatctg cattggtgga 360

acgttgaaat atntttccgc tgaaaataac aacttcatag gcccaattcc agtgagttg 419

<210> 7948

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7948

tgtagagatc ctcattgtgc taatccgtaa gtttgacttc cccangcagn ttaaagactt 60

cagacctatc aatttatgta ctatgcatca taaactgatt tccaagggtc ttgtccacca 120

ttttcgccct tctttagaag agatcataag ctttcttcaa cgaagtttca tgccttggaa 180

gggaaccttt gataatgcca ttgtagctca agaggttggt cattacatgc atcattagaa 240

agctaagaag gggatcatgg cttttcaaat tggcctagaa aaggcctatg acatgggttag 300

ataggatttc ttggagatgt ctctcatcat attcaacttc tcgtgaatca ttattgacct 360

gatcatatgg ggtattcgat atacttcttt gtcccgtatg tggaatgg 408

<210> 7949

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7949

agaaactcac gctngcgctg agctcttttg accctagaag aactcttgaa attttttctt 60

cancgaancc catatatctt ttgtcttgct cctcttgagg atcgcntcaa ggacttcacg 120

atctattggt ttgaaaaggt aattatttac cttaaagtc ttcaacttct gctcctcgat 180

caatatgcat tgcgtctccg taggctctat tccatctgcc accatcaata tccattctc 240

aatgagatcc taatattctt tggagcggag aaaattctcc atcaacattg cccaatgatc 300

ataatgacca ttaaaccttg gaattgcacg ctgcacgaaa ctgctactcc caccttctgc 360

cattcttctc aactcgttct actcgaaaga aagaaaaact gcagtttctt tcttgactca 420

cactcaetgt ttttctcaca tgc 443

<210> 7950

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7950

tgtagagatc ctcattgggc taattcgtaa gcttgattct ccaggcagnt taaagacttc 60
agacctatca atttatgtac tatgcatcat aaactgattt ccaaggttct tgtccaccat 120
tttcgccctt ctttagaaga gatcataagc cttcttcaac gaagtttcat gccttggaag 180
ggaacctttg ataatgccat ttagctcaa gaggttggtt attacatgca tcattagaaa 240
gctaagaagg ggatcatggc ttttcaaatt ggctagaaa aggcctatga catgggttaga 300
taggatttct tggagatgtc tctcatcata ttcaacttct cgtgaatcat tattgacctg 360
atcatatggn gtattcgata tacttctttg tccgttatgt ggaaatggc gcgtttgagt 420
agc 423

<210> 7951

<211> 424

<212> DNA

<213> Glycine max

<400> 7951

agcttttcat agtagaacgt gggttaactga ttctacctat tattgtgatc atctccctct 60
ccgtcatggg cgggtacaact tgggctgcaa gatctctcca tctctgggca tattecttaa 120
tggactcatg ctctcgttta gtcataccct gaagctgggt ccgatcggga gccatgtccg 180
tattgtactg gtactgcta atgaaggcag ttgccaactc cttccatgat cggatctggg 240
aagcttccag attggtataa cacgctacag ctgccccggc caagctatct tgaaagaaat 300
ggaccaacaa cttttcgtct gcagaatagc ccccatctt tcggcaatac atccggagat 360
gcccctttgg acatgtcatc ctttgtact tatcaaagtc tgggtactttg aacttgggag 420
ggat 424

<210> 7952

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 7952

tgaccctcaa tctttcaatg attatagatc catcttcctt atatggtgtg tctataaaat 60
 cgtggctaaa gttctggcca agaggctggc ccttgtgtta cctcatctta tagatgaaag 120
 acaaacggat tttatgaagg ggaggcacat tcttcatggt gttttgattg ccaatgaggt 180
 tatagctgag gctaaggcta gaaataaacc ttgcatggtc ttcaaagagg attttgaaaa 240
 ggcgtatgat tcggtttctt gtggttttct tgactacatg ttgatgagga tgggcttttg 300
 tgaaagatgg aggaaatgga ttaatggttt cctgtccact gcaaccatat ccattttaat 360
 taatggaagt ctgttttttg agatgccact caacataatg ttagaacctt anaatgtatt 420
 tg 422

<210> 7953
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7953

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 aggttgacc tcccagaaga gtatggagtc agcaccactt ttaacatttc tgatttaact 120
 ccttttgcag gtggagctga tattgaggag gaggaactaa cagatttgag gtcaaactct 180
 cttcaagggg aaggggatga tgcaatcctc cctaggaagg gaccaatcac aagaaccatg 240
 agcaagaggc tocaagaaga ttgtgctaga gctgctgaag aaggccctag ggttctcatg 300
 aaccttangg tagatttctg agcccatggg ccaagggttg gtccaattat ctttgtacat 360
 attagactag gatgtcatta tatttgggtc ttgtatatag ggctccatat t 411

<210> 7954
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 7954

agcttcacaa gtagaatcag aaacttgtct tccatgtgtc tttatcagaa aaggttcacg 60
 accctttaga aatgtggcgg tacataatct aaaaatctcc agaaggattg tctgtgatct 120
 atgaaattag aatatcaatt cagttttgct tgataaggct agaacacata ttgctattaa 180
 cctattaaat attaaataat ttttttccta attttattgt tataatttta atggttacaa 240

ttaatatgta acttgattac gtaattagta acttggaatt catttagttg gttaagtcac 300
tatataaaca ataagaacta ttggtccaaa ataatttatt agatgaattg tgtataattt 360
agatgtagtt caaataacgc tcatttttgg ctcttgactt ggg 403

<210> 7955
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7955

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tttgtcagtc aaggctctgga atgtatctta tttgttattg ttattttttac ctggattctg 120
tattttgaaa ataaagcata gaattgattg ttattacttg atgcagttct ttgacattac 180
aaatgtttat agcttgccgc ggaatacctg ttttagtggg atttcttgaa gctgattatg 240
ccaagtacag gttagttggt gtttgtgaat tgtgcttaac acagaagtac taacattttc 300
actagatagt ttgcaatgca atgccaatat ttgaacttct ctggccctgt tctacctaaa 360
aatttcagaa cattataaac atgtgctttc accctgcttg aggcctgang gcctttgtgt 420
gagggtcttt ctacatgta aaatccattc cct 453

<210> 7956
<211> 331
<212> DNA
<213> Glycine max

<400> 7956

tggaaaagat caactcctcc catgtgccat gggacgctcg actaaattaa ttgctgacat 60
gttatcaatc aacaaccgga taggactaca atcccgtag tccagttctt ccattaaagc 120
tctcacacat agagcgtgac aagctgccat agcagcaaca gtatattatg ctctacatgt 180
tgacgaaaca actacactct gcttctttga gcaccaacag attaagtgtg ctccaaattt 240
gaaaacatat ccagcagtgc ttatactatc atccttatca ctacaccaat ctgaatcatt 300
ataaccaaac acttcttctg tatattctta c 331

<210> 7957

<211> 407
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 7957

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 cttncaaagt ttcatggcct tgcacgcgaa caccgcaca aacatttgaa agaatttcac 120
 attgtctgct ccaccatgaa acccccacat gtccaagagg atcacatatt tatgaaggct 180
 tcttctcatt cattacacgg agcggcatac gactggttgt attaccttgc tccaagggtcc 240
 atcacgagct gggatgacct taagagagta ttcttagaaa aaattttccc tgtttccagg 300
 accacagcca tcaggacgga tatcttaggt attagacaac tcagtggaga gagcctgtat 360
 gagtactggg agagatttaa cagactatgt gccagcttgc cccacca 407

<210> 7958
 <211> 359
 <212> DNA
 <213> Glycine max

 <400> 7958

agcttatgac toggatcttg gtttcttatt ctatatgacg atgaggatgg gattttgtga 60
 aagatggaga aaatggatct atggatgtct atctagcgca actatatcaa tcctaataca 120
 tggcagccct actagagagt ttgtgcctga gaggggacta atgcagggag acccccttgc 180
 acctttccta ttagacataa tagctgaggg ccttactggt ttgatgagga caactgtctc 240
 taaaaacatc ttcagccgtt atcaagtggg gagggcaaaag gaagagatta atatactgca 300
 atatgcagat gataccattg tgctttggaa ctgcgactac aactaatggt agagtcatg 359

<210> 7959
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7959

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 aggggtctcct tgcccttagtc ctttctgagg taggaactca gctgagggac taccattcac 120

caaaaatgaa acagatgctg attttagaca cccctcaatc cattgaattc atttgctgca 180
aaagcccatc ctacccatca tataagttag aaactcccaa gacacaaaat catatgcctt 240
ttcataatca accttgaaga caatgcaagg cttttggcat cttttggcct cttcaactac 300
ctcatttgta gtcaccacgc tgtgttagcat atgtcttctt tctataaatg ctgattgcct 360
ctcatgaata ataaaaggca tgaccttctt caatctattg gccaatattt tagccactat 420
ctt 423

<210> 7960
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7960

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tatacgagac atcttgccaa acaaagtcag gttcacgata actcgtctgt gcttttttctt 120
ccatgctata tgtagcaaag tgattgatcc acgaatgtn gatgagttgg aaaatgacgc 180
cgcaattata ctgcgccact tggagatgaa ttttccccct gctttctttg acatcatgat 240
tcacttgatt gtgcatctgg tcagagaaat caaatgctgt ggtcctgttt atctaccatg 300
gatgtaccgc gctgagcgat acatgaagat cttaaaaagg tatacaaaga atctatatcg 360
ttcggaagca ctattgttga ctgtacattg cgtaaaaagcc attgaatttt gttcatacta 420
cttaca 426

<210> 7961
<211> 241
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 7961

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gccatagatg gcctttttta gaagataaac tttatcttct tcactttgct tcatgaatcc 120
ttctggttgc tctacatata tttcttcttg tagctctctg tttaaaaaag ctgatttaac 180
atgtgtggaa gccatgcctt cccagattat tttgatgatg gccagaatc aagagtctag 240

<210> 7962
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 7962

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 gccgatctca cctagtggga taaaagctta gttggtgttt caattatcat attcagttct 120
 tatttgacga cttctcattt ttatgccttt ggtattcaat tntattccat gtgcctaacc 180
 aaagtatctt ggtatgtatt taaattttgt tttcaggga agggtcctct attatctgtg 240
 gaggcactgc atcaccttca tacatttatt tttgtcctag ctgtggccca tgtcacatct 300
 tgtgttctca ctgttgttct tggagggtta aaagtgagtg cataatatgc tntattataa 360
 gatgtgcttg atgaaacgct cttttttgag tcctaataat taactctgat taacagatac 420
 ctgagtggaa acact 435

<210> 7963
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 7963

ggtaggcctt ggatcttctt catattggag tcttttgtct tttgaagatc aatgacaaca 60
 taatggagaa ggaagaaaga tgattggaga agccacttca aggagaagat gagtcaagaa 120
 gaagctcacc accataggaa accatggata agagcttgaa ggtagaagaa gatgagtggg 180
 gggagagaaa gagcacgaat ttttgtactt aaatgaggta tgaaatttga agtgaattc 240
 tcaaagtatc aaagttgaaa aaaatgcaca cacatgacct ctatttatag cctaagtgtc 300
 acacaaaatt ggaggggaaat ttgaatttct attcgatatt cacttgaatt tgaaattgaa 360
 tttgtggagt caaactatgg agccaaaatt tcaactaatta tgattagtga atcttagaat 420
 atggttagcc cactaatcca agatcaatt 449

<210> 7964
 <211> 381

<212> DNA
<213> Glycine max

<400> 7964

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aggtagtttc gaagaaaacc agcctcaccg tgatcaagaa tgaaaaggat gagcttatcc 120
ccacaagagt gcagaacaac tggcaagtct gcattgatta taggaggatg aactaggtaa 180
tcataaaaga tcattttccc atgccattca ttgatcaaat gcttgatcgc ttggcaggta 240
aatatcatta ttgttttctt gatggatttt tttggttatt tataaattca tattgtcctt 300
gaggatcaag aaaaaaccaa attcacctgt tcctttggca cttttgccta taggagaatg 360
ccctttgggtc tatgcaacgc c 381

<210> 7965
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7965

tagactaagt tcagcctacc accctcagac tgttgaccaa actgaacgga ccattcagtc 60
actggaggac cttttgaggg catgtgtctt agagcaaaag gggagttggg agagttttct 120
gtcgttgata gagttcactt ataacaatag tttccactat accattggca aggctcccta 180
tgaagctttg tatggtagaa ggtgtataac acccttatga tggttagagc ccggagaaaa 240
cctcacctta ggatctaaag tggtaacaac aaccaccgag aaggtaaagt tgatctaaga 300
aaggatgagg actgcacaga gtangcaata aagttatcag tataagagga gaaaagacct 360

<210> 7966
<211> 371
<212> DNA
<213> Glycine max

<400> 7966

tacccagta tctagctgga acttcgacga tttatgccgt ggaagaatgc ttaaccaatc 60
gcgatcaagt tttcgtagt ttagcaagaa aattgaacaa ggcttaacaa cgaatgaagg 120
aactgcaga tcagaagcgt cgccaagtga gttttgaagt tggagacata ctgctggtca 180

agttacgtcc tcgacggcag ataacagcta ccaacagttg ctactcgaag ttggcaaagc 240
gaatttatgg tccctttcaa gtgacccaat gtatatgcga agttgcttat aagctagact 300
taccagcaac ctggaagatt caccagctat tccattgctc cttattaaag ccatttcggt 360
tagacacgac a 371

<210> 7967
<211> 370
<212> DNA
<213> Glycine max

<400> 7967

tgtacgggta acgtctcacg attgtcacgc gtttatgcaa caattgttag ccgtggctat 60
actagacatc ttgccaaaca aagtcagggt aaccataact gaccctgtgt attattccat 120
gccatatcta gcaaagtcac tgatcttata aagtttgatg agctgaaaaa tgaggccgca 180
attatactgt gccagttgga gatgtatatc cccctgcta tgtttgacat catgattcac 240
ttgattgtgc atctggtcag agaaatcaaa tgttgtgggc ctgtttatct gcaatggatg 300
taccgggatg ggcgatacat gaagatctta aaagagtata caaagaatct atatcatcca 360
taagcatcta 370

<210> 7968
<211> 330
<212> DNA
<213> Glycine max

<400> 7968

agcttgggtga cttgggtgact tgggtgaatat ttgattatct gcatcagggt aggtacctag 60
attcttatct cagatggagt gatctgattc gtcttgagca gaacatccag gatgggaaag 120
gtcaagagac tgaagcttct gctttcagaa atgcagatat ttgtgacaat aaacttgtat 180
aggggaaaag ttgttatgga atagcttttg ggagccaaaa acatcttctt tctcgggtga 240
tgaaaaatgt tgttcaagtg gagcaagatc cagaaggaaa ggaaaagtat tgggttttttg 300
aaacacgtat tccattatat ttgataaaaag 330

<210> 7969
<211> 349
<212> DNA

<213> Glycine max

<400> 7969

tataatatat cgatacgctc gaaatttaac atcggaact ctcacgaaat tcaaatagtc 60
ataacttttc acacggatgt cggattcggg cgcataatat gtcgagaagg tcgaaattga 120
acaacggaag atcttgagaa attcaaattg tcataacttt tctcacggat gtccgactca 180
cgcttataat atatcgagac gtcgaaatt aaacatcgga aactctcgag aaattcaaatt 240
ggtcagaact tttcacacgg atgtccgata cgggcgcata atatgtcgag aggtcgcgaa 300
ttgaacaacg gaagctcttg agatattcaa atgggcataa cttttcaca 349

<210> 7970

<211> 291

<212> DNA

<213> Glycine max

<400> 7970

tgctttcaag aaattcaaatt ggtcataact tttcagatga aagtccgatt cagccgcata 60
atatatctag acgcttgaaa ttgaacgccc gatgatgatg acaaatttaa atgggcataa 120
cttatcacgc ggatgtctga ttcacgcaa ttatatatcg agatgctcga aattgaacaa 180
tggagctctc gagaacattc aatgggcata acttttcaat tggatgttcg attcaggcgc 240
atcacatatc gaggtctctg aaatcgaaca acgaaagctc ttgagaaatt c 291

<210> 7971

<211> 343

<212> DNA

<213> Glycine max

<400> 7971

agctttgctt ctacacttag gtgttataag gcatgcaaag catgtaagac atacacaaag 60
tatgactata tgatgtgaca atgggggtgc acaagcaaat gctcacctgc ccctctaaaa 120
tttaatggga ttgggcttat cccaattcaa tcaaatttat ttccaacac acatcaaata 180
ttcacttaat gcatgtgaaa ttacaaaatt acccctaata caaaaagtag tctatgtgcc 240
ctaaaataca agggctgaaa aatcctacat ttctagaata ccctacctac attatggagc 300
cctaaataca aagcccaaaa agtgtagaaa tcttaattcta atg 343

<210> 7972
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 7972

tattataaaa gaccaacaa catcggtttt tatataaaac cgatgttggt cacgcaatcc 60
 acaatatcgg tttttaaaaa ctgatgctaa ttatgaacta ataacatcgc tttttttttt 120
 ggaaaatcaa tattaactat taattaacaa catcaatttt tgaaaaatcg atgttaacat 180
 tatgctagca atattgattt tcgaaaaccg atgttaaaga tttcttttta tttagggaaa 240
 tgtcactgca aatagtttaa catccatttt ttcttgtaac caatgttaaa ctaactatgt 300
 tgaatgtact agtgatacca agtgcattga taaattgtcc ccattcttta ccaagaaatc 360
 aaagtg 366

<210> 7973
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7973

agctttagg cctatgatct ttttcatcaa tggattcatt tacttcttgg atgatgaatg 60
 acagcgaaat ggagaaagga aaagagagag gagacgccac ttcaaggaga agatgagtct 120
 aaaagaagct caccaccata ggaggccatg gataagagct tggangaaga aagagatgaa 180
 tgaatggagt gggagagaag agcacgaaat tttgtgctct aaatgagctt tgaaatctga 240
 agtttaatac tcaaatacgc aaagtttgaa aaaatgcaca cacatgacct ctatttatag 300
 cctaagtgtc acaaaaatgg gagggaaatt tgaaatttca 340

<210> 7974
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 7974

tctacttttc ttctccttag tctcctcttc agtcttccca gtcattgtgt agacaagtgg 60
 cctcagatat cttaagaagg ggggggttga attaagatat tcgatacttt ttcttcta 120

taaaaatcta tcttactttt tacttaagtt atgaattccc ttaatgacaa tcttcttaaa 180
tattaattca aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt 240
aagggaagag aaaatgcaaa cttagtttta tactggttcg gccacaccct tgtgcctacg 300
tccagtcccc aagcaaccg cttgagagtt ccaactaact gttaaattcct tttacaagtt 360
cta 363

<210> 7975
<211> 285
<212> DNA
<213> Glycine max

<400> 7975

agcttcaagg atggatgaac ctcgatatca cgcataaata ttctatcttc aatatctaga 60
ttgctcacat ccacaacaat ttttgaagga atgtgctcag atggacagaa aaattttaga 120
ctaggctctga tcttattcaa aattcctcct gcaatggcat aaaagtttca accatattag 180
cattagaaca gaacattaga accacaaaaa aattcccat gatattatat taaattgaat 240
ttgcaacatt tggcacccgc cccccctcca aaaataatga tattc 285

<210> 7976
<211> 340
<212> DNA
<213> Glycine max

<400> 7976

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatattctaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
ttcaaatgaa gcaacttgaa tatgaatata aagcaattat aaataaagga gattaaggaa 240
agagaaaatg aaaactcagt tttatactgg ttcggccaca cccttggtgcc tacgtccagt 300
ccccaagcaa ccgcttgag aagtcacta tcttgtaaat 340

<210> 7977
<211> 374
<212> DNA
<213> Glycine max

<400> 7977

tgtccaaaag ggaagcaagt taaaaactct ttttatagta aaagcgctgt ttctacttca 60
aaaccctttg aactacttca catagactta tttggtgcct ctagaactat gagtttgggt 120
ggtaattact atggcttagt tatagtagat gattactcaa gattcacatg gactttgttt 180
ttgaaaacca aagatgaagc ttttgatggt ttttgcaaac ttgccaaggt cattcaaaat 240
gaaaaaaggt cttaacattg tttcacttat aagttatcat ggaggtgaat ttcaaaatga 300
gtctcttgaa atgttttgtg aagaagatgg aattcaccac aactttttta ccctaagaac 360
acctcaacag aatg 374

<210> 7978

<211> 360

<212> DNA

<213> Glycine max

<400> 7978

tagactaagt tcagcctacc accctcagac tgattacctt actgaacgga ccattcagtc 60
actggaggac cttttgaggg catgtgtctt agagcaaaag gggagttggg agagttttct 120
gtcattgata gagttcactt ataacaatag tttccactat accattggca aggctcccta 180
tgaagctttg tatggtagaa ggtgtagaac acccttatga tggtttagagc ccggggaaga 240
cctcacctta tgatctaaag tggtaaca aaccaccgag aaggtaaagt tgatctagga 300
aaggatgagg actgcacaga gtatgcaaaa aagttatcag tgtaagacga gaaaagacct 360

<210> 7979

<211> 339

<212> DNA

<213> Glycine max

<400> 7979

agcttttaac tcggatgtcc gattgagtcc cttaatatgt cgagatgtc caaattgaaa 60
acggaagctc gtagcaaatg caaactgcaa taacttttaa ctggatgtc cgattgagtc 120
gcatgatata tcgagacgct ccaaattgaa aacggaagta acaaattcaa acgacaataa 180
ctttgtactt ggatatccga ttgagtcccg taatatatcg agacgctcga aattgataac 240
agaagctctg agcaaatca aacgataatt actttattct cggatgtccg attgagtccc 300

gtaatatatc gtgacgctcc aaatctaaaa tagaatttt

339

<210> 7980

<211> 358

<212> DNA

<213> Glycine max

<400> 7980

tgtccctgtg cctcctcctg agatattggg ggtgggtctat tttaatgata acatcctcac 60
cagatactcg tgtgccctat ttcataataa taatgtctgg ttaaaactct tggggacaga 120
caacgaaaaa gcataaattc aaatatgctt actggagggg caagaccatc atcatccagc 180
ttatcataag aaccatgtct cattccctga aaaatgaaac ttggtaagag accaccaaca 240
ccaaaccaat attcttttcc aaataaaaat tgcaatgcat gaatagttgc ttgctaccaa 300
agccaaaatt ctcaccatgg tgttagctct atctggacgg ccaaaatctt ctttcact 358

<210> 7981

<211> 367

<212> DNA

<213> Glycine max

<400> 7981

tgtacctcac ttggggcaat tcagtttggt actcagggtgc attgccttgt tgtcaaatgt 60
gggtttggct gtgaactgtt tgtgggtagt aatttgactg atatgtattc aaagtgcggg 120
gagttgtctg atgcatgtaa agcttttgag gaaatgcctt gtaaggatgc agtgttgtgg 180
acgtcaatga ttgatggctt tgtgaaaaat ggagatttta agaaagcttt aacggcttat 240
atgaaaatgg tcaactgatga tgtttttatt gatcagcatg tgctttgtag tactttgagt 300
gcttgcatg cacttaaagc ttctagtttt gggaagtccc ttcatgcaac cattttgaag 360
cttgat 367

<210> 7982

<211> 359

<212> DNA

<213> Glycine max

<400> 7982

agcttgcac ctagagacaa acttctatga tatatagact tggtgcttat gagtacatgg 60

ctaattggttc attggataaa tggatattca acaagaacaa agaggaatTTT cagttggatt 120
 gggatacaag gtataacata gcacttggaa tagcaaaagg acttgcttat ctacatgaag 180
 attgtgactc aaacattatt cattgtgaca ttaaaccaga aaacgtgctc ctagatgata 240
 atttcagggt taaggtttct aattttgggt tggctaagct catgaaacgt gaacaaagac 300
 atgttttcac aacacttaga ggcactagag ggtatcttgc acctgagtgg atcacaaac 359

<210> 7983
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 7983

tgcataaaag ccagactaaa caataaagga ccttttattt tccctctgcc tgccgaagtc 60
 gggcaatccc ttctacagct tgccttgcaa cagtgccttg accaacccca agtccaatag 120
 aagcaagccc tacagtcaac ccatcatcaa taacagaacc agaagaaata aatggattca 180
 tgataattta ctcgtaacct aaatataaaa taaagaaata gttaatgata taatcaccca 240
 ataaaatatg acctaagttt tcaattatca agattttattc gggctaaagt aattaataag 300
 aatttcgaat tgaatataat catagttatt gaactctacc aattacttcg agattttattt 360
 tctc 364

<210> 7984
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 7984

ttctaaagtt ttctggtttt ctaaacccttg aattcttgtg ttattcatct tttcattctc 60
 ttatcccttt gccaaaaaga attctccaag gactaacctg ctgaattctt tttgtgtctc 120
 tcttctccct tttccaaaag aacaaaggac taattgttag acaagtggcc tcagatatct 180
 taaaaggggg ggggtgaatt aagatattcg aaactgtttc ccctaattaa aaatctattt 240
 cactttttac tcaagttatg aattccctta atgacaatct tcttaaatat taattcaaat 300
 gaagcaactt gaatatgaat ataaagcaat actaaataaa ggagattaag ggaagagaaa 360
 atgcaaaact 369

<210> 7985
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 7985

agcttcctcc attataaata aatttgacag cagaagtttt ctctttgaag ttttgataa 60
 tattcctttc atacaaaatt tcatactttg gaaaaacata attaatgcta aaaacataact 120
 attgaaacat gtaattgaaa atacatgtaa tagaaattaa aattcctaaa tttcataatt 180
 aggggtttata cataattgag agaaattaaa tcattcctaa atttcataat tacgattcat 240
 aggagaaatc aaatcattct tggagaatca taaatttcat aacacatggt ctgataccac 300
 atgtaaaaca ttaaggggtt ccctaaacta tc 332

<210> 7986
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 7986

tatcccatgc ctcttagct tgaaagatga tgtataaagc tttcttgctt ctctatcttg 60
 aatcctttta agtcttcttt tgtgcttacg aaagtgaagt ctcatcttgt cactccgtat 120
 agcctttttc aaccatttcc taaacatcat gtgtgatgca atccgacccc ccaagggcat 180
 tggatagaag actccaagaa gattacgcta gagatgtaag agaaggctct aggggttctca 240
 tgagccttat ggtagatttc aggcccacgg gttaagtatg agtccactta tctttgtaca 300
 tattagatta aggtttcatt atttttgggc cttgtattta gggctccata atgt 354

<210> 7987
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7987

agcttgtgtc acactttcaa ttgtcgaagc tgaatacata gctgcaagaa gttgttgtgc 60
 tcaaagtctt tggatgaagc aacaatgatg taagctccat tggagcttgt aggcctagga 120

tctttcttcat caatggattc ctttgcttct tggaagatga atggcagcgg aatggagaaa 180
 ggaagagaga gaggagacgc cacttcaagg agaagatgag tctaaaagaa actcaccacc 240
 ataggaggcc atggataaga gcttggagga agaaggagat gaatgaaggg agagggagag 300
 aagagcacga aattttgtgc tctanatgag ctttgagatc tgaagttt 348

<210> 7988
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 7988

agcttggaaac gaaaaaactg atttagtggt tgagacaggc ttttggtgaa gatgtcggcg 60
 agttgaagat aggaaggaac aaattgagta atgagctttt tggagagaac tatctcgcga 120
 acaaagtggg aatcaatatc aatatgcttc gcacgcttgt gagcaaccgg attatgggaa 180
 agaaatatag cacttttgtt atcacaagga agagtagggg gagtagagta aacatgcata 240
 tcgcgccgca aatgagtga ccaattagc tcagctgctg catttgccat agcccgatat 300
 tcagattcac agctggaacg agcaacaatg ggctactttt tagcact 347

<210> 7989
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 7989

ttcatttttt aaatggtaac tcaattatct atttcttaaa actaacgaaa tttattttat 60
 tttggaaaat aagtagttat attgattaat taaaaattaa ttaccaatct gatagatgga 120
 taaatacata gataatcaaa gtataagatt tcaaatctta agctctatct tactattttt 180
 taatcccttt tcccctagtt tctttcctat acaattcatt attaagtctg tgatatatgt 240
 gtaatacttt ttatactttt cggaactaaa ttttgcattt catatgtcaa gggacacatt 300
 tcccagtaga gtgagaagaa gaaatgtaa ataaatatta tgccaaatat ttggctgttg 360
 ctaggt 366

<210> 7990
 <211> 345
 <212> DNA

<213> Glycine max

<400> 7990

tgttgatctt ggacaaggcg gcatcactaa catgttcttc ttggacggac atgtgtcatc 60
agtgggagac attgtgacca atggaaaaag aaaagggcac gccttttgcg agcatgcaga 120
aaaggatgca agagacactg ctgattattc tgccgcaaag cattgtcgtg tggaggcgct 180
catgctgcat aggtataagc gtggatcctc aagtcttctt catccggatt cactcacata 240
cattataact ctcccttttaa atcctgagag ataatactgc tcaatcggct ttcgaacata 300
caaagagaac acacgaggct ctaattgaga tggggaccaa acata 345

<210> 7991

<211> 379

<212> DNA

<213> Glycine max

<400> 7991

tccattttca atttcgagcg tctcgatgta ttctggggct taatcggaca tccgagtaaa 60
gtattactgt catttgaatt tgctacgagt attcattttt aatttcgagc atttttatat 120
attataggac tcagagggaa atcggagtaa aatattattg gggcttgaat tttctcaaag 180
gttctgtttt cagtttcaag cgtctcaaaa tattaaggaa ctcaatcaaa catctgaatg 240
aaaagttatc gtcgtttgaa tttgctcaaa gctattgttt tcaatttcga gtgtctcgat 300
atattatggg tctcaatcgg gcatccaagt aaaaagttat aatcgtttga atttgctcag 360
agtttcttct ttcaatttc 379

<210> 7992

<211> 354

<212> DNA

<213> Glycine max

<400> 7992

tcttagtctc agatgatgca gctgagtttg tttctacctc atgcactcct ctaatgacta 60
tggcatcatt tatggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagttgttct gaaatctgat 240

ggtgggggca actggcacat agttttcttaa atctctccca gtactcatac aggtctctctc 300
 cactgagttg tctaatacct gagatatacct tcctgatggc ttgggtcctg gaag 354

<210> 7993
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 7993

agcttgaaat tgataaacgg aagatgtcga taaattcaaa tggtcataac ttatcacacc 60
 gaagtccgat tcaggcacat aatatatcga gacgctcgaa attgaacaac ggaagctctc 120
 gagaaattca aatggtcata acttttcaaa tggaagtccg attcaggtgc ataatatatc 180
 gagaagcttg aaattgaaca aaggaagctc tcgagaaatt caaatgggtca taacttatca 240
 cacggaagtc cgattcaaga gcatactatg tgaagatgct cgaaattgaa caacgaaagc 300
 tctcgagaaa ttcaaatggt cataacttgc cacacggaag tccgattcag acgcata 357

<210> 7994
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 7994

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 caaaataaac ttgacgaatc tggcatcata gtaagaaata aagcaagatt gattgccaaa 120
 ggttacaacc aagaagaagg aatcgactat gatgaaacct acgctccagt tgcattggta 180
 gaagccataa gactgcaact tgaatttgca tgtatcatgg atttcagact ttttcaaatg 240
 gatatgaaga gtgtcttcct caatagtctc attgaagaag aagtgtatgt atatcaacca 300
 tcagggtntg tggactacaa acatcctaac catgtctata gagtgaaaaa gactttgtat 360
 ggtttg 366

<210> 7995
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 7995

atcttgtgct gaagtaagta agacatgtgc ctgagatgca tttaaaccctt atctcaacag 60
gaaagctagg tgaagctaga atgataaacc atttcgggggt cggtagatga aagcttgata 120
caagaagcat ggttgttgct cgaagtaaga aagaaggctc cttgtacatc atgcagggaa 180
agatatgaaa aaggagatg aatgttgctt aagatgcaac tcaagaattg tggcacgaga 240
gattgtgaca catgaatgag aaaggtttgg agtt 274

<210> 7996
<211> 363
<212> DNA
<213> Glycine max

<400> 7996

tcttttggac tccatcccc tttatctcca tgctcaaaat atttttagca gctcccatgt 60
ccttcatata aaactactaa gtagtgactt cagcttctga attggcaaca aattttcaga 120
tgctatgagt atgtcatcca catagtgtag tatatagatg taggaaccat cctccacctt 180
actattataa acacattagt catagggact tctaattgtac acatgagaga caatgaactc 240
atcaaattctc ttgtaccact gccttagtga ttgcttcaac ccataaagag acctcttcaa 300
tatatagaga aaattttctt ttacttccac ctcaaaacct ctagattgat gcatcagaat 360
atc 363

<210> 7997
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7997

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ggatggccct gattttctca ggtccacttg gaccttattt ctaccaacta caaacctaa 120
aaaaactata ttatctacac aaaagggtaca cttctctata ttttcataga ggggtgtttt 180
cctaaagact gaaagaactt gcctgagatg tcctaagtga tccttaggc tcctactgta 240
cactanaata tcataaaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc a 331

<210> 7998
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 7998

tctatagaag gttcgttcct aattttctcta catttgcac acctctcaat gagatgggtga 60
 agaagaatgt ggcattttacc tgggggtgaaa aacaagagca agccttttgct ttgctcaaag 120
 aaaagcttac taaggcactt gttctagctc ttcttgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctgaagtg ggagtttagag ctgtattggtt acaagggtggg caccctat 240
 cttatttttat ggaaaaactt catagggcca cccttaacta cccacctat gataaagagc 300
 tttatgcctt aataagagcc ctctaaactt gggaacatta cctatgttac aaagaatttg 360
 tcattcata 369

<210> 7999
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 7999

ataacaagct cctaccttgc aaagccagcg cggactatca acagcaaact gcataccaag 60
 tgcaacaaga atacctggga tgctagcaat atacaacatt gtccctccacc tgaaatatgt 120
 atctgggtggt gccaaataag cattatttgg aaaacaattt tctgttttta aagactataa 180
 acacataatt ggtggaagaa tcgctgtgaa ttataaagtg aaggcttgat ttcagtgagc 240
 catagagaag tatgctcctt ttacattaag ttcaaaacat atcacaatga gtctatc 297

<210> 8000
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 8000

agcttggttg catttgcaaa cttctatgta gtgcttaatg atctagatgt gtcaaagtgt 60
 gcaatcacca atgttggtat cacagttctc tcaagggcca gtctacctag cttgcaagtgt 120
 ttttccttgt ctgggtgttc taatgtatca aacaaaagtg cacctttctt gatgaaattg 180

ggccatacct tactgggatt gaatcttcaa agctgcaatt caattggcac caacacaata 240
gagttgttag tggaaaagtt gtggagatgt catattctgg cttaatcatg ttagaaacta 300
gaagtaaata aaattg 316

<210> 8001
<211> 358
<212> DNA
<213> Glycine max
<400> 8001

ctgggatgag ggctatgaat gaagcattgg tttctttggt gaaggagcca ttgatgtaaa 60
attcatccat gaacctgatg aaatctgggt tcaaaatctc ccaaaaatgg ttaatgaaat 120
tgaaatttaa tccatccggg gcaggacttt tgtcccccc cccccccacc acaatcccaa 180
actgttgatt tgatctcaa ttcagaaaat ctagacacaa ggctgtcttt atctcttaag 240
tcaagagaag aaaattggac accatccaag gttgggtctac tacaacattc ctcggaaaat 300
ctgtccttga aatagaagat agctgcattt ttaacactgc aaggttcatg caccacaca 358

<210> 8002
<211> 352
<212> DNA
<213> Glycine max
<400> 8002

agcttctaaa ctttatacaa gattgaagct ctgataccac ttgttggaaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa ctacttgccc taattaaaaa 120
tctatttcac tttttattca agttatgaat tcccttaatg acaatcttct taaatattaa 180
ttcaaataac acaatttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
agagaaaatg caaactcagt tttatactgg ttgggccaca cccttggtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca ag 352

<210> 8003
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8003

agcttctaaa cntatatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
aatataataa gaaagggggg ttgaattaag atattccaaa ctacttcccc aattaataat 120
ttatttcact ttcttttcaa gttatagatt cccttaacaa tgaacttctt aaatattaat 180
tcaaataaaa caatttgaat atgaatgtaa accaataata aacaaaggag attaaggga 240
gagaaagtgt aaactcagaa ttatactggg tggccacac ccttgtgcct a 291

<210> 8004
<211> 348
<212> DNA
<213> Glycine max

<400> 8004

agcttgtgca tcctataccc tgatgaggat gtcccatatg ttcttaagac tggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaagacc cacacaaaca tttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcatcatt aaagggagt gcaaaggact ggctgtatta ccttgtcca 240
aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaaat tttccctgct 300
tccaggacca cagccatcag gaaagatatt tcaggtatta gacaactc 348

<210> 8005
<211> 334
<212> DNA
<213> Glycine max

<400> 8005

agcttcaaca tcataccact tctcaggtgc tggaactact tcacatggat ttgatggggc 60
ctatgcacgt tgaaagcctt ggaggaaaga ggtatgccta tggtgttgcg gatgatttct 120
ccagatttac ctgcgtcaac tctatcagag agaaatcaga aacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagagaaag actgtgtcat caatagaatc atgagtgacc 240
atggcaaata gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcacgctc 300
atgagttctc tgcagccatt acaccacaac agaa 334

<210> 8006
<211> 384

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8006

tgaaggcaaa ctggatgcg tggtcaactt ggttacccat ctggccttga atcagaaatt 60
tgtacctgtc gcaagggttt gtggtttgtg ctctctgtct gactaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240
cagcaacaga tacaacctg gatggaggaa tcaccctaac ctcatatggt ccaaccctta 300
gcaacaacaa cagcagcctg ctcttactt tcaaatggt gctggcccaa gcagaccata 360
cattcctnca ccaatccaac aaca 384

<210> 8007
<211> 267
<212> DNA
<213> Glycine max

<400> 8007

tgaaattaaa caacggaagc tctcgatata tttttattgt cataactatt aactcggagg 60
tccgattcag ggcgcgtaata tatcgagacg ctcgaaattg aacaatggaa gcttttgagc 120
atatcaaagt ggtcatactt tttcacttgg aggtccgttt caggcacaat atatatcgtg 180
actctcgata ttgaacaccg gaagctctcg agaaattcaa atggccatat cttttaactc 240
ggaggtacag accaggccca taattta 267

<210> 8008
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8008

agcttaacat ctgtttnttt aaattttgat gttaatatatt acatataaca tcatgttcta 60
ctaacaacca atgttgttta ttggaatttt ttaatgtgct gtctatTTTT ttaataaacc 120
caaaattaat ctacaatatt aaaaaacata accacgacaa ataattttca ttctatcttc 180
aaacaatttt tagtagaaat ctcataaaaa ttgaatatatt actatgaatt aaaagaatat 240

ttaatgtgca tataacatga attgtaaata ttgtaaatta actaaactac aattccaaaa 300
 ttactttaaac actaattatt tcatttntaa ctttcaaata gtagtttgtc cactggatgc 360
 aaagcacctt caatctcttt agtttcaat 389

<210> 8009
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 8009

catgtgacct atgaaactaa gctatgctgc aacatttaca acagacctcc tcaactctca 60
 tcagcaaaat caaccacagc agaacaatta tgacctctcc agcaacagat acaatcccgg 120
 atggaggaat caccctaata tcagatgggc tagccctcaa caacaacaac agcagcctgc 180
 tccttccttt caaatgatg ctggcctaag caagccatac attcctccac caatccaaca 240
 acagcaacag cccagaaaac aacaaacagt tgaggctcct ccgcaacctt ccctcgaaga 300
 acttgtgagg caaatgacta tgcagaacat gtagtttcaa caagagaaca gagcctccat 360
 tcagagctta actcgccaga tgggacaatt ggctacacaa ttaaataaac atcagt 416

<210> 8010
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8010

tcttagtctc agatgatgca gctgagtttg tagctacctt atgcactcct ctaatgacta 60
 tggcatcatt tatggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagttgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctocca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatatacct acctgatggc tgtggctctg gaagcagggg 360
 aactnttttc taagaatact ctct 384

<210> 8011

<211> 384
 <212> DNA
 <213> Glycine max

<400> 8011

tgcagacaga cgacaccttt atttttgact agagaccacc agcacgacac gtggcctcag 60
 atatcttaag aaggggggggt tgtaatacca tattacaaat ttttttccca gttaaaaatt 120
 ctatttaaca ttctatccaa gttataaatt tccttaataa tgaatttctt aaatgttgat 180
 tcaaatagaa caatttgaat atgaatataa aacaataatt aataaaggag ttttaaggga 240
 gagaaagtgc aaactcatat ttatactggt tcggccacac ccttgtgcct acgtccagtc 300
 cccaagcaac ccgcttgaga gttccactat ctttgtaatt cctttacaag ttctaaacac 360
 acaaggacaa tcccttcttt gtgt 384

<210> 8012
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8012

tcacaaattc aattgattat tgtcaatcta tttttcagaa tagttacaaa ttaaaattta 60
 aatacaaagc aaatttgagc aaaattgagt tacattaatt ttacctcact ttcaaaatgg 120
 ttttacatca atttttttta aaaggcaatt tcaagacgtc ttcgattgtg tttttgtttt 180
 ttttaatctat tttttacaat aattttttaa atagagatgt tttgattttt ttagtttttt 240
 agtcaccata gcattgcatt agtataaaat attaataat tttactaatg actaattttt 300
 tataaagaca tatatttatt aatactaaat aagttattta tactaataca actcagtttt 360
 aattattaat attatcttat ntatatatac taat 394

<210> 8013
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8013

agcttctagc nattcaacca tttttctntg tactcggatg tccgattgag ttccgtanta 60

tatcgagacg ctcgaaattg aaaacagaag ctctgagcat attcaaacga acattacttt 120
 tttctcggat gtaccattgt gtcccttaat atatctagac gctcgcaatt gaaaacggaa 180
 gcctcgtagc aaattcaaac gaacaataac tttaactcag atgtctgact gagtcccgta 240
 gtatatcgag acgctcgaaa ttgaaacata aggtctgagc aaattcaaac gacaataact 300
 ttttactcgg atgtccgatt gagtcccgta atatatcgag acgctccaaa ttaaaatagt 360
 agtcctaca aattcaaacc atataacttt t 391

<210> 8014
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8014

agcttctcga tatattatgt ccccgatatca gacatctgtg ggaagagtta tgaccatttg 60
 tatttctcga gagctacctt atgttcaatt tcgagtatct cgatatacta ttttcccaaa 120
 tcggatatcc ttgtaataac ttatgaccaa tcgaatttct cgagagcttc tgttggttaa 180
 tatcaagcgt gtcggtatat tatggcctat aatccgacca tccagtgaag tagtatgact 240
 agtcgacttt ctcgagagct tcctttgttc aatttcgagc g 281

<210> 8015
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 8015

agcttcattc ctttatcact catatttcca agtcttttat gccacaaggc tgaattattg 60
 acagcctcag taactgctac catatcctca tatgtaatca tgtaaagaga tcctcgcttc 120
 tttccacgag ccacaatgag attgcctttt gttaccttcc aagctccatc tccaaaagtg 180
 gtgtgatgtc ccttatcatc caactgcctt atagatatta aatttctctt taaggcagga 240
 atatgtctga cattgtgcaa tgtccatagg gatccactgg aggtcttgat gtgatcac 300
 ctcttccgac aatgtcaaga gattttccat ctgcaaagga aacttttcca 350

<210> 8016
 <211> 390
 <212> DNA

<213> Glycine max

<400> 8016

ttgaacatga attgtttgac cgtttctcaa acattttattg gggaccaat ttcagggtta 60
gggttttagt tgtaacaaca gcaacttttag taactaatta acagtaactt ttacaagtaa 120
tttatcaaac aatattaatt caaccaacta gcttataatt attcagtttt tcaacttcta 180
atttattagg ttataattaa ttcaattaag tttttcatca taactttaaa cactcaatta 240
attgttttta ttgtttttct ctatctcttt ttgttatatc acattatata ttatgtttat 300
cactatttct cttgaaagtt gtagtcgaa gctgagtaaa ggtgttaaatt aaattttattg 360
aatttaattgt attatagcaa atttgatata 390

<210> 8017

<211> 296

<212> DNA

<213> Glycine max

<400> 8017

agcttaatga atatgttttg tattatttcc atacaggggt tttgttcaag aggaagaact 60
gctaacatta gatgtgcaac ctggatggtc gattggagca tggattacat ttgtaggaac 120
aggatttgat agaccttttag cgtacagaga tgatatagta tttatcatct ccagaagatg 180
gctccaatta tttagaagag aaggggatga tatggaattg agtgtataaa ttcccttagt 240
aaaggcactt actgagtgtg caatattatt cccactattg agtcgagagc acatga 296

<210> 8018

<211> 365

<212> DNA

<213> Glycine max

<400> 8018

tcaagtggac taacttcaat cttgaagagc aagtctctgg tgataattgc tccacggagc 60
aacaatgaga tggatgcac caaactgaat aacgagatcc ctgagcttct ttccatcaag 120
gaatcactga tcaagtatgt ctttgagcca aacaagaaaa ctgcttaaaa gtattgagcg 180
gtttcatgtt ttagaaatca aagattatgc atttctgttg cgggctacat agaacacttt 240
ttatttcatt gttatttcgc tgggttttga taataacctt actataaaaag ctagccatgt 300

ggttctcggtt ctcatagcta caagtgattt cagggtttatt attatgttca tcatgttact 360
gtggt 365

<210> 8019
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8019

agcttcaatc atgtggttga aaaatgtggt cctagttgat ttggttcatg acaaagaaag 60
aggtagaatt ttgaaattgg atagcattat ttctggggac cagtggaaag aagtggatgt 120
tttgattntc aacacctacc attggtggac tcacactgga cagtctcaag ggtaatgaag 180
ctttttgaat ttttaaccac tttttttggc gtttatgaga ggtgctagcc atgtggctaa 240
tgacatcatt ttaatgtttt attgtaggtg ggattacttt caagtgggca atgaattaag 300
aaaggaaatg gatcacatgg aagctttcaa gattgggctg agtacttggg ctaaattgggt 360
tga 363

<210> 8020
<211> 393
<212> DNA
<213> Glycine max

<400> 8020

tgaacaaca gaaatgttgc actgcatcaa gcatttatta tgagctgact aatttcaaga 60
acagtagcac ataccacaaa cgtattggct ctaacaacat caagcatagt gactcccaaa 120
agtctcttgg gatcgtaagt accagctctt ttgaaaactt cggctgcaat tctggactgt 180
ggagttaact ggattgctta tcacattgac aatggcttta ggacagcact ttgcaattgc 240
ttcacacaat gttttaacaa ttccagcatt tatattgaag agatcatctc ttgtcatttc 300
caggtttcta ggaacaccag cagggatgat caccaagtcc atgcctataa gtgcatccct 360
aagctgttgc tgtcccaaaa attctcgaac cta 393

<210> 8021
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8021

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agcttgcaga atgcgctcgg nctgtttaat atttaagatt tatgacatgg atgaatttaa 60
gcaatTTTTT tttcaagttg agaaaaaat aatgaaaata agctgcaaat aattttttaa 120
ttaggttaat actgtgtact ttctatagaa ttgaaaaacg ataaagacaa aagaataatt 180
aatatatagt atgaaaaaag tattgtgata ttgaagatgc tatacggaca caatttttta 240
tgatattaaa taatcaatgt actgaattac tataataata tatataaagt taaatgttat 300
tatatgagaa atattatcaa tatattttta acattnttta ttattgacca caatttatta 360
aaaataacat attgttggtt ttacttctta tttaatgatt 400
```

<210> 8022
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8022

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tgcttaggac atagggatca tgccccccac ccacaaatat tttttaatat aatgagaata 60
tcgtttttat atgaaagtaa taagaaaaat aagtattaat cattaaatct tatcatgaat 120
gctcatttga attttttaat agtcccatta atttcttatg ccactctcat ataaaaataa 180
ttcttccact agatttgtct cctataacat tatgaaatat tctntaaaat tatttatttc 240
tcaattatta atgattttta gtcattgaca gagcttatag aattttaatt tgcaaacttt 300
tagttgctga aagagcataa acaatgtaat attcattcat cttctttatt atgggttatat 360
tttatagaca atttatgtta atattgcatt ta 392
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<210> 8023
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 8023

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agcttgtctt cctccacaag agatgttcca actgaataac cctgagcctt gtaaaaggta 60
aagatcattc ctccaccaag caagagaaca ttaactttct ccaacaagga ttcaataact 120
ccaatcttgg aagacacctt cgatccaccg acaatagcag caaatggtct cttggggttt 180
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gacacagccc caactagata atcaagctcc tgaacaatt aaaaatacat cagatcaatc 240
aactgtataa attacataat taccoaatat atatataatg aagctaacaa ttacttccta 300
caaaccttct gcattaggaa tcctgcaaca gagggcttca agtatttggc aactccttct 360
gtagaagcat gagctctgtg ggcagtgcc aatgcatcat tcaca 405

<210> 8024
<211> 394
<212> DNA
<213> Glycine max

<400> 8024

tgtgcattca atatcctgat gaggggtgtc catatgttct caagactgga ctaatacatt 60
tgctgccccaa gtttcatggc cttgcagggtg aagatcctta taagcatctt aaggagttcc 120
atattgtttg ttccaccatg aaacccccta atgtccaaga aggtcatatc tttctaaagg 180
cttttctca ttctttggag ggagtggcaa aagattggct acactacctt gctcccaagt 240
ccattttcag cagggatgac cttaaagaggg tggtcttggg gaaattcttt cttgcatcta 300
ggaccactac catcataaaa gacatttcac gcatttggca acttattgga gaaagcttat 360
atgaatactg tgtgagaatt cagaaactat gtgc 394

<210> 8025
<211> 390
<212> DNA
<213> Glycine max

<400> 8025

agcttccttt cgtaagattt agaattta atgataactc tactcctttt ttaattgaga 60
aacaaatata gttggcaata tgataatttc accgatacaa aataaaaata aaatacaatt 120
ggatcgcaac caaaataaca aaataagaat tacaagttat atataatata aatataatat 180
ttgaagacta attaaatttt gatactgtta cattatatcc cccattaaaa aatgtcatat 240
tggttatattt acaaataaaa ataactatga aggagtttgc taatttatct atcagtatat 300
ttacatgata tttcctaaat ttaaataaat attaatgttt catattccaa aagatgaaat 360
atttaaaatt aatgatacaa ataagattat 390

<210> 8026
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 8026

tatgctgcaa atatttgcaa tagacctcct caactctcag cagcgaaatc aaccacagca 60
 gagcaattat gacctttcca gcaacagata caaccctgga tggaggaatc accctaacct 120
 cagatggtcc agccctcagc aacaacaaca gcagcctgct tcttcctttc aaaatgctgc 180
 tggccaagc agaccatata ttctccacc aattcaaca cagcaacaac ccctgatata 240
 gccaacagtt gaggccctc cacaaccttc cctcgaagaa cttgtgaggc aaatgactat 300
 gcataacatg cagttttt 318

<210> 8027
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 8027

agcttcatgc ttaactatgt atggtaaaac ttcattactg gtgttcaaga catacaagtg 60
 agcttggtac aaatcttcta cactcggaga gatcacatgc agtcctcttg aacccttacc 120
 acccactctg tcatgatgcc gagactcagg aagcccaaca ggtttagctc tctcttagtc 180
 ttctgaacaa aatacaatgg cttcttgtgc aatgtacctc tcaacaatag atgctcttgg 240
 acgatataaa ttctccgtat acccttttaa gatacttatg tatcgctcaa ccggggtcat 300
 ccaccgtaga taaacaagac cacaacattt gatttctctg accagatgca caatcaagtg 360
 aatcatgatg ttaaagaaag cgggggga 388

<210> 8028
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 8028

tcttattttc agcagatgaa gatgaatttg tggccacatc atggactcct ctaaggacaa 60
 tagcatcatt tcttgcaatg aattggtggg agttggaagc catctttctca atcagattcc 120
 tagcctcaac aggagtcata tcaccaagag ctcaaccact ggcagcatca atcatactcc 180

tctccatggt actaagtcct tcatagaaat attgcaaaag gagttgctca gaaatctggt 240
 ggtgaggaca acttgacac aatttcttga atctttccca gtactcatat aagctctctt 300
 cactaagttg cctgatgtcg gaaatgtctt ttctgatggc agtggtccta gatgcaagga 360
 agaatgtctt caagaacac 379

<210> 8029
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8029

agcttgtcct tacaaaatat cattatacaa anttgattgt ctttaagactt taatgttatc 60
 atatgcaacc acaacaaaag aaaatgcatg ccaaattcac aagtcctgtg ttgcaactgc 120
 ttcgagcata attattgggt tgcaatgatc acctacaata aattgacctt tccaagggtgc 180
 atgataatct tttcattcct agtgcataca atcaactgaa tccaacatac ccggaatgcc 240
 acatgtctcc tccatttgta gtaggtggcg gaaacattag aacaaataga ggattttgag 300
 aatttttggg agaagaagg acacaatttt gtatataatt gtatgtggag ttgtttgggtg 360
 gtggtggaaa cataaggaaa aatggatgga aacatttgtc aag 403

<210> 8030
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8030

ntgagcaaat tcgaacgaca attactttta acttggatgt ctgattgagt cccgtaatat 60
 atcgagacgc tcgaaattga atgttgatgg tcgttgcaaa ttgaaacgac aataactttt 120
 tactctgatg tctgattgag tcccgttaata tatcgagacg ctcgaaattg aatcttgatg 180
 ctctgagcaa attcaaacga caataacttt ttactcggat gtctgattga gtctgtaat 240
 atatcgagac gctcgaaatt taatacgaaa gctatgagca aattcaaacg acaataatct 300
 ttactcggg tgtctgattg agtctcgtaa tatatcgaca cgctcgaaat tgaatgttga 360
 tgctctgggtc gatttcaaac gacaataatt t 391

<210> 8031
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8031

agcttcagaa ttcaatttcg cgcgtctcaa tattttacgg gactcaatca gacatccaag 60
 caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatgggtctcg 120
 atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
 gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgtc 300
 tcgatatatt acgggactca atcagacatc cgagtaaaaa gttattgtcg tttgaaaatc 360
 ctcagagctt cgggtattcaa tttcgagcgt cttgatata 399

<210> 8032
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 8032

tgcttaaaga catatttggt taattaatta ttttaaaacc tagtgaaata ttaactaaaa 60
 aaagaaactt ataaaatfff atataagtaa tgtagaaatc caaaaataat tgataaacia 120
 aatcatattg aattcaagtc gttaaagcac aaagtatatc aaacgaatat aaaaagagca 180
 taatattaaa aaatgtatgg attatagatg gtttacacta ataaagccaa acaaaaatta 240
 ttattagtta aattaacaat ttttaatcca atttttgaat atataattat attaaatatt 300
 cttatagaga atatatctac aataatttca ttttagtcta ctcaagtcac atcttatata 360
 ctattgatcg aggtcgt 377

<210> 8033
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 8033

ttgaatgcac tattcaatgg agttgacaag aacttctttt gactgatcaa cacttgcaca 60

gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgacac tgccttggga 240
gagaggataa cagatgaaaa gctggtgaga aagatcctca catccttgcc taagaaattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gaacatgaga ggtgatgaac 360
tcatcggttc tcttcaaacc t 381

<210> 8034
<211> 366
<212> DNA
<213> Glycine max

<400> 8034

tcagtccctg ataaactggg tcccagaaga caataggagg tgaatattgc tgaaaaccct 60
agccttgcaa caagtcctag ggaagtagac acggagatgg acaagaaaat ccgcagtata 120
gtgagtagca ttttgaaaga agcttctgtg cctgatgttg agaaagatgt tccaacatct 180
ttcggcccaa atgctgaagc cctcccttca cccagtgaag aggaatcaac agaagaagag 240
gatcaagcct caaaggagac tcttgcacca cgggcaccag aacctgctcc aggtgacctc 300
attgacctgg aagaagttga ttctgatgaa taaccattg ccaacagggtt ggcacctggc 360
attgct 366

<210> 8035
<211> 383
<212> DNA
<213> Glycine max

<400> 8035

acgccaccgg catgcatgca agcttttcta tgagggttga tgggttctgt cgtttagaat 60
ggcatgagca ctggctgaca tattgtcaat tatctcaatt gcttctttcg aggtcttcag 120
ctttattttc cccctgtag aaacatctac cagttgcttg gtttgcggtc tcagcccatc 180
tataaacata ttcaattgaa ttggctcgta aaacctatgg gtgggagttc ttcttaataa 240
acctctgaac ctctocaatg cttcactcag agattcatca gggaactgat gaaatgaaga 300
gattacagct ttcccttctg cagactagga ctctgggaaa tatttcttta gaaacttttc 360

aacgacttct tccatggttt tca

383

<210> 8036

<211> 385

<212> DNA

<213> Glycine max

<400> 8036

ttattcaaga caattcaaga caaagcaatt aattatatcc aagatggatg atcaagacag 60

tctatagagt cttagaaagg gtatattaaa taggaaggga attccaattg aagtagcaaa 120

aggtttggcc aagaaaatta agttaaaaag tctttttacaa gaaatttact ctctggtaat 180

cgattaccag aggatgtaat cgattaccag tggccaaaac tgatttacia cagctattaa 240

aatttgaatt caaaatttgc cctgtgtaat cgattacaca tatatggtaa tgcattacca 300

gcagtttctg aacgttttaa ttcaaaattt taaagcttgt aatcgattac acatatactg 360

taatcgatta ccagagcaga ttttc 385

<210> 8037

<211> 368

<212> DNA

<213> Glycine max

<400> 8037

agcgtggact agagattttc tctgtatcca tttggggcta cagctatcat gctgagaact 60

aaagccagtg aaatttagtg aactcttggg agatctttgg ccagcttat tggcagcaat 120

gtggcgctgc acccattcca ctgaggttca cactctttac gttgctccgg aatctcaact 180

tgttaatgat cattgattgt atggatgggg tagacataat aagcttcagt ttgacacaag 240

gatggcaaaa tctctatgga tcacttcgtg ttgaaaagga agtctttgac aattctgaat 300

agatacgaat tacctttctg ttgcgcgcgc cttatggaat cctgcggggg gagcttaatg 360

aacaatgc 368

<210> 8038

<211> 384

<212> DNA

<213> Glycine max

<400> 8038

tgaggataga gacttcccaa gctatattatc ttctctctca aagaggctct ctaactttct 60
 agctttctca ctctaagaag tggattcact cttgtcttgg atggttaaga atgaaggctc 120
 ctacccttat ttatactact ccacctccac aatgaatggt ggagattaat tctctagaat 180
 gctccacaca ttctaggagt ctctacactc ttctactccc ttccatatcc tttcatactc 240
 ttccagaagg ttcaagaagg tttcacatat ctctagaata ttctagaggt ttccacagtc 300
 tttcacaagc ttctagagag ttctacccta ctctagaggt ctacaggacg ttctagaaaa 360
 ttctacactt ttctagagag ctct 384

<210> 8039
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 8039
 agctttcact cggatgtccg attcatgcgc atcatatata gagacgctcg atattgaaca 60
 acggaagctc tcgagaaatt gaaatgatca taacttttca cttagatttc cgagtcacac 120
 gcataatata tcgagacgct cgaaattgaa ctacggaagc tctccagaaa tctatatgat 180
 tataaatatc tcaactcggat gtccaattga ggaacatcag atatcgagac gctcgaaatt 240
 aaacaacggt acctctcagg aaattcaaatt gggtcataact tttctaacgg agatccgatt 300
 caagcacatc acatatggag acgtccgaaa ttgaaccacg gaagatctcg agaaaatcaa 360
 atggctctaa c 371

<210> 8040
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 8040
 agcttgaaga caagactata cgaggatatc tccttgggta tagcaatata tctaagggct 60
 accgtgtcta caacttgcaa actaagaaac tcgtcattag tcgagatggt gaagttgatg 120
 aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
 aactacctca agaagaagat gaggaagaaa acccaggtga accaccttca cctccatcac 240
 aacaacaaga tcaagaacta tcatcaccag agtctactcc aagacgagta agatcttttg 300

tggacatata tgaaacctgt aacttggcca tacttgaacc tggaagcttt gaagaagcgt 360
caaagcacga aatatgggtc aaggcaatgg aagaagagat 400

<210> 8041
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8041

ntgagccaat tcaaacgaca ataacttttt actttgatgt ctgattgact ctcgtcacat 60
atcgagacac tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aatatacttt 120
tactcggatg tctgattgag gcccgtaata tatcgaaacg ctcgaaattg aatgttgaat 180
ctcttagcaa attcaaacgc caatatctct ttactcggat gtctgattga ggcccgttat 240
atategagac gctcgaaatt gaatgttgaa cctctgtgcg aattcaaacg acaataacta 300
tttactcaga tgtctgatat agtctcgtaa tattatcgag acgctccaaa ttgaatgttg 360
aagctctgag ctaattttaa cgacaacaac ttttta 396

<210> 8042
<211> 393
<212> DNA
<213> Glycine max

<400> 8042

tcttattttc tgcagatgaa gatgaatttg tggccacatc atggactcct ctaaggacaa 60
tagcattatt tcttgcaatg aattgtaggg agttggaagc catcttctca atcagattcc 120
tagcctcaac aggagtcata ttacctagag ctcaaccact ggcagcatca atcatactcc 180
tctccatgtt actaagtccc tcatagaaat attgcaaaag gagttgctca aaaatctggg 240
ggtgaggaca acttgcacac aatttcttga atctttccca gtacttatac aagctctctc 300
cactaagttg cctgatgtcc gaaatgtctt ttctgaaggc agtggctcta tatgcatgga 360
agaatgtctc caataacact cttttatgtc atc 393

<210> 8043
<211> 357
<212> DNA

<213> Glycine max

<400> 8043

gtgaactatg aaactcagct tatagggtc acgatatttt gttaaata agttcaacat 60
cggttttttt aaaaacaccg atgttaacaa catgatgtta aggctaacat tggttttctg 120
gaaaaaacg atgttaactt atcaaacgtt aacatcgggtt ttctcaaac ccatgttaa 180
taaacttatg ttgacatcgg ttatttgga accgatgtta actaatcaat gttaacatca 240
ttttttccaa taaccgatgt taatgcactt cgctaacatc ggttttgtga aaaaccgatg 300
ttaacagata catagtattt acaattatgc caccacgctt accttgacat ctatttt 357

<210> 8044

<211> 350

<212> DNA

<213> Glycine max

<400> 8044

agcttgaaat ttaacaacat aagcttttga gaaactcaaa tggtcataac ttgtcacacg 60
gaagtccgat tcatgcgc atatatattga catgctcgaa attgaacaac gaatgctctc 120
gtgaaattca aatgggcatg acttgtcaca cagaagtccg attcaagtgc ataatatatc 180
gagacactcg taattgaaca tccaaagctc tcgagaaata caaatgggtca taacttatca 240
tacggaagtc tgatccatcc acattaatat atcgagaagc ttgacattga acaacggaag 300
cttctcgaaa acaaaaatgg tcgttcctta tcacacggac gtccgattca 350

<210> 8045

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8045

tctaaactnt atacaagaat gaagctctta tactacttgt tagacaagtg gcctcaaata 60
tcttaagaag gggggggggt gaattaagat attccaaact acttcccaa ttaaaatcta 120
tttcactttc ttttcaagtt ataaattccc ttaacaatga acttcttaaa tattaattca 180
aataaaacaa tctgaatatg aatataaagc atttataaac aaataatatt aatggaagag 240
aaactgcaaa ctcagattta tactgtttcg gccacacctt tgtgectaca tccagtcccc 300

cagtaacccg cttgagagtt tcactatctt gttaaatttct tttaacaattt ctaaacacac 360
aaggacaatc ctatctttgt gtttagaatt cc 392

<210> 8046
<211> 403
<212> DNA
<213> Glycine max

<400> 8046

aagctccttc aactgcacat ggctcttaat atttgaatgg tatccctgtg gaaccttcac 60
ccgatgaaga caccgacgaa gacttatatt ctcatctctg gacaaagtat ggcaagctgg 120
gggcaagtaa attttcttcc catcatacct tggatgcaac tgtgatcgta tccccatata 180
agctagatct tgacgggtat tcaagtcata ctctgtcttg ccttgaatgt tgagaagcgt 240
cccaatcaca ctatcacaaa catttttctc cacatgcata acatcgatac aatgtctaata 300
gtctagatca gaccaatact gaagatcaaa gaaaatggac ctcttctttc atatgaaact 360
cttactttta tccatctttt gggtatgtct aaatacatta ttc 403

<210> 8047
<211> 360
<212> DNA
<213> Glycine max

<400> 8047

tttacgtaaa aaccaaactg atcgctggaa tgaggattgt caagaggcct atggaaggat 60
caagaagtgt cttatgaatc cccctgtgct tatgccacca gtacctggaa ggctctcat 120
cttgtacatg acaatcttag acgagtcaat ggggtgtatg ctggggcaac atgacgaatc 180
cggaaagaaa gagcgcgctg ttactacct aagtaagaag ttcacgacct gtgaaatgaa 240
ttactccttg ctcgaaagaa cgtgttgtgc tttagtatgg gcatcccatc gcctaaggca 300
gtacatgctg agccatacta cctgggtgat atacaagatg gaccgggtta agtacatctt 360

<210> 8048
<211> 300
<212> DNA
<213> Glycine max

<400> 8048

aacactacta ctctctaac aagtcacgac acccttgagt ttcttgaatg gatgagtgac 60
 ggtgatcaag agttgctcag agccaagcca cactgtgtgc gtgcggatgc ggttgtggct 120
 ttggatggga gaggtcatta tcgctctatc actgatgctg ttaatgcggc tcccagttat 180
 agtcaaagga agtatgttat ttacgtgaaa aaggggcttt acaaggagaa tgtggacatg 240
 aagaggaaga tgaccaacat catgcttggtg ggtgatggta ttggccaaac aattatcact 300

<210> 8049
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8049

tgagcattcc aacgacgacg ttaacgtggg ctccctttt atcaactctt ttggcgattt 60
 agggcacgcc attgttggcc ctcttgcaa gctattcgtt gatgtcatga tcgtgttttc 120
 tcattgcggt ttctgcgtca gctaccttat ttccatttcc accacgttgg cctatctcgc 180
 cggatgatgat gacacctcat cagcatcatg gtctccttg ttttgggggtt tcgccacgcc 240
 aaagggtgttg tttctgtggg gatgttttcc ctttcaatta gggctgaatg ctatcccaac 300
 attgacccat ttggctcctt tgagcatttt tgctgattnt gttgacattg tanccaaaag 360
 tgtggtgatg gtggatgatg tctttgtgtt catg 394

<210> 8050
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8050

agcttgtcgg gtactgnttc aattaagttc ttggggcatc ccatggacta agcgaaaagg 60
 ctctagtat taaatactgc acatctttta aggcataaag cgaggatcgg aacctcaatc 120
 ctacgttctt tttaaaggac tgtgatgaga gaatttaca aggacaggaa tccctggggg 180
 aaaccaagaa gaacacaaaa aataaaaaa tgcagcgact cctcaattg cccagatcc 240
 taagcgtaat atcgcttgac aacgtcgaag ttcacgggtg agggtagctc ctcgatcatc 300
 atgttggcga gcaccagggc cctccagag aaagcccttt ttacaacaaa aggcccttcg 360

tagttcgggg cccactctcc tctgttatct tgtagagctn gggagacttt cttcagca 418

<210> 8051

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8051

agggaataat tctacctata ttattggaat cactcatgct ataganatan nggagntata 60

tgaagagtta cgggttacatt aataacttaa gtggttaaga ttgattagat tttatttttaa 120

agtcaaactt tcattataga cttaaaaaac tgataatcct aaatgatttg ataaatgtgt 180

aatgcacatg ttaactttta ctattatttt taatttaggc acatcatatg ataaaaat 240

gtattcatgt tgtgaataag gtggttagtc ctctaataaa caaggttatc cttntatcat 300

tagtgattaa cttttatccc tctaataatta ttactcaaaa gtcacatgtg aacatgaata 360

tatatgtctt atgcatcaaa aattgaactt atataagaaa gtatgtgtca tgctatctca 420

gaatttatca tacatg 436

<210> 8052

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8052

ctgccatgga agcacttgat ctgagtgact tcgtttcaac caaggattgt cagaaggacc 60

tatatgagtg ccttactgct aagcgcatta tcttggcatc aatgagttca gaactccaga 120

ggcaacacca agacatggac ccatatgaga tcatcgaaca tcttaagaag atgtacggtg 180

gtcaaagcaa gacggctaga tttcaggtat ctaaggccct gagtagatcc tcacttggtg 240

caaatgaaaa agttagacct catgttctta agatgattga tctcatagaa caacttgaga 300

aggtggggtg cactctcggg aaagagcttt ctcaagactt gagtttgcaa tcactttctg 360

agtcantttc ataattta 378

<210> 8053

<211> 408

<212> DNA
<213> Glycine max

<400> 8053

agcttcattg gttgtatgag taggagatag tgctggagtt gaatcatttg gagtcaaggc 60
ttcttcatct atttcttcaa agtacgagaa aaatcataag tgtcttcttt ctctctccaa 120
ttccatgtgc cttcttcata gaactcggca tctcggctca caattgtctt tccattgttt 180
ggattataca atttgtagcc ttttgaactt gcatcatagc caatgaacgc atgtttctca 240
ctccgatcat caagcttgaa tcttccttgg tcgggtacat gagcatatgc aatgctccca 300
aatactctca agtgatcaac tcttggcttc actccactcc atgcttcttg gggagggtga 360
tctttgacat tctttgttgg ggagcgattg gacaaataaa cggcacac 408

<210> 8054
<211> 316
<212> DNA
<213> Glycine max

<400> 8054

tttcacttct ccctatataa ccctccgctc ccaaactcaa accctaacct taaccttcaa 60
tcaaaactca aaacttctct tttctttcat tctctctctt ttattcttat catcacaatg 120
ccttcaattc ccgaagagcc cctcctggct ccgaaccggg atcgcttctg catgttccca 180
atccaatacc cgcaaatctg ggaaatgtac aagaaagccg aagcctcgtt ctggacggcg 240
gaggaggtgg acctctccca agacctccgc cactgtgact ccctcaccga cggcgagcgc 300
cactttgtca cccacg 316

<210> 8055
<211> 384
<212> DNA
<213> Glycine max

<400> 8055

agcttgtgca ttcaatattc tgatgagtat gttocatatg ttctcaagat tggactaata 60
catttgttgc ccacgtttca tgctcttgca ggtgaagatc cttataagca tcttaaggag 120
ttccatattg tctgttccac catgaaaccc gctgatgtcc tggaagatca tatctttcta 180
aaagtttttc ctcatctctg ggaggaggtt gccaaagatt ggttgacta ccatgctccc 240

aggtccatca ccagctagga tgaccataag aggggtgttct tggagaaata cctcccagca 300
tctaagacca ctaccatcag aaaagacatt tcaggcatca ggcaacttat tggagagagc 360
ttgtatgagt actgtgaaag attc 384

<210> 8056
<211> 395
<212> DNA
<213> Glycine max

<400> 8056

agcttctacc aagtaccttc aacaagtttg attttattat gacataacta acagcatgca 60
agatcttgta tgtataaaac ctcgattatg atgtgatttt caactttgtt ctttcatgag 120
agaaaataac atggcaaact tgttacttct gtgaagtggg atgaaacatt ctattcttgt 180
ctcatagaag caaagtggag caaaacggga caaacaccat cattagataa ctacctcaaa 240
tatggcatga tctccattgc tgttcataca ttggtgcttc cagcctcatg gtttcttaaa 300
catagcttat caaatcagaa actgagacca gcccaataga aagccattac caatctacgt 360
atgggtattht gtagtaacat attaataaac ttgac 395

<210> 8057
<211> 388
<212> DNA
<213> Glycine max

<400> 8057

tcttagtttc agatgatgct tatggagcca tcttctctat ttaatttttg gcttcagcag 60
gagtcatgtc tccaagggct ccaccactag cagcatctat catacttctc tccatattac 120
tgagtccttc ataaaaatat tggagaagaa gttgttctga aatctgatgg tgggggcaac 180
tggcacatag tttcttaaat ctctcccgag actcatacag gctctctcca ctgagttgtc 240
taatacctga gatatccttc ctgatggctg tggtcctgga agcagggaaa aatttctcta 300
agaatactct ctttaaggta tcccagctcg tgatggacct tggagcaagg taatacaacc 360
agtcctttgc cactccctct aatgaatg 388

<210> 8058
<211> 340

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8058

gatttcttaag tcacctgcgg catcaagtct tgatggactt tcttattatg tctccattga 60
 ctacttcacc aaatgggtca aagcggcttc gtatgccagt gtgactagga gtgtgggtggt 120
 taggttcac c aacaaagaga taatttgtct gtatagggtg cccangaaga ttatcaccca 180
 taatgcaacc aatctgaaca ataagatgat gaaggaaatg tgtgaggatt tcaagatcca 240
 acaccataat tctacgcctt acaagcccaa gatgaatggg gcagttgaga ctgctaataa 300
 gaatatcaag aagatagttc acaagatgat cgtgtcatac 340

<210> 8059
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8059

cacaaacagc tcaggagacc tctggagatt ttgaagaggc aagtgagaaa gatgctacaa 60
 agactgcagt aacagatgga actgtccatc ctctaacaag ctatgtaatt aactatgtga 120
 agttttttatt tggttaagttc agctatgttg tcatctgac ccaattttgt agccgcatca 180
 attattttcta gcattttttg ctgtgttcac tgatgacaaa aatgttagac attattgcta 240
 ttgttatatt gttttttaaa atttatttta cagttctgcg gggtttctgct catggacttt 300
 ttaatgcatt tcttattaaa tatgcagaga gattggcatg ctatgccaca tanatcaatc 360
 tctagtttct acgtgttc 378

<210> 8060
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8060

gattcctaag tcacctgcgg cagcaagctt gtaattttgt tatcaagcat cctctaaagg 60
 aggaggggag agagttactt gtcgagccaa aacaaggtag atttcattct ttagcctntg 120

aatatatatc cccaaactat gaagataaaa taaatgaaat aaagattata catgagaatt 180
 atgctcacgt gctttaccct gtcaaatang tttatacaaa cttagaaggc aaccgtgcaa 240
 acttagttca gacttcattg gctttgttgt cccttattga tgcaggacag gttaataata 300
 aagctctatg ttttgaattt ttaccatata ataaatttaa acctcctaac tccttaagcc 360
 ctatggaaaa accctgcana gtgcaatggt cctctaatta gta 403

<210> 8061
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8061

gcaagcttgc caatccactg gggtcgatgc tttctgaata tccttttgca ccatgcatct 60
 aggagacaca ttnttcctac cataccctct caccagctcc tgagcaagta atatgttatc 120
 ctggatattc ctaccaggaa taaaagctga ttgagtgtct tccaccacac tatttatcac 180
 atcactcagt ctgctagtca aaatcttcga tatcacctta taaattgtgc tacaacatga 240
 tattgggtctc atgtctttga tgggttttgc ctccggggac ttagggataa gtgagacaat 300
 agagcagttg acaactttgt acaacttact agaattaaata aattccagga tagtattctg 360
 cacatcattt ttacaatagg ccaggcggct ntgaaaaatg 400

<210> 8062
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 8062

acattttctga caacaagggtg atcttgacgg aagggtattga tgggtgttgtt cctccgaagt 60
 attttgaaag gatagaatca tggccgagca gacagcccat ttctttttta agttattttta 120
 caattttgct tttaggatca caatacgttg aggattattt aaataaaaata atatgaaaaa 180
 gatataatat atttttaaata ataaaacatt tcaaaaatat ataacatatt aaataaaaac 240
 ataaaaaata tacaacatat taaataaaat tgataataag taaaattaaa attattttatt 300
 taataattaa ttaaataaat attttttagca atttaaaaaa aattgaaaac aaaacaaaac 360
 aaaataaaaa atgtctaaaa aattcttaat attataaaat aatatataat atcataaaat 420

aaaataaaaa

430

<210> 8063
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8063

caagttttca atatcaaata gaaatggata gctgatcgtg aaaaagatgg ttgtgtatac 60
aatatcccaa atgttcctga agttgttgca cttattgttg gtgattttga cccaagctca 120
aaaagagata ttattgttga aactcaaaat ggacaactac aaagaatcca tgaattacac 180
tctagctatc tggctctata gtaccctcta ctctttcctt atggtaaaga tggatataga 240
actaacatac ttcaccactc taaatcatca tgcaaaaaaa ggaagagaaa tcgtctgaca 300
acgagacagt ggttcgctta tatgcttcag tccaggccaa atgaagcaca aactttattg 360
ctttctatga aactatttca acaac 385

<210> 8064
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8064

gcaggcatgc aagctntgag caaattcaaa cgacaataatt tttgtacatg tatgagcgga 60
ngagaccctg attatattga gacgctcgaa attgaatgtt gaagctttga gcaaatacat 120
acgacaataa ccttttactc ggatgtctga ttgagttccg taatatatcg agacgctcaa 180
aattgaatgt tgaacctctg atccaatata aaggacaata agcttttact cggatgtctg 240
attgagtccc gtaatatac gagacgctcg aaattgaatg ttgaacctat gagccaattc 300
aaacgacaat aactttttac tctgaagaat gattgagtcc ctaatttt 348

<210> 8065
<211> 364
<212> DNA
<213> Glycine max

<400> 8065

actagtgagc ttccaattat atgacatgta ccacttgtaa ttttcctatc taatttgcac 60
 cttccaaaat cagagtctga aaaacctttt aagtttaagg aagttccttt ggaataccac 120
 aaacctacat tgggttggtcc cttaagatac ttaatgatcc tcttaacagt agttaagtga 180
 gattcctttg gattggactg atatattgca cataatcaaa cacttagcat gatatccggt 240
 ctacttgcag ttaggttagag aagtgatcca atcacaccta tgtatcttga ttcattccact 300
 gatttacctt tctcatctaa gtcaaggtag gttaatgttg taacgccttt aaattcaata 360
 actg 364

<210> 8066
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8066

atgcagctta agataaagcc ctactaagt ggttttncgt tttcgactcg cgaccatcat 60
 cgtgaacagg aagaacggtt gcctggtcgt ctgctagttt gagtcactca tgcacaaatt 120
 cattttgatt ttaattcttt ttttcttttt cggcctcccc aatatttttg gtggagtagt 180
 ccaaaaaaat gtcaattttt ttctttatatt tttttgtgat aaaaaattaa tgttgaaaga 240
 gagagagaaa aaagaaagca ctctgcccat gtggatgtga agtgtgggct ttctagtcag 300
 ccttattatt tgtataattg atcttccata tatcagtcac taattcccct accttcaaaa 360
 tctgctaagt atcacattaa tgaaaacgtt tatntatact gttacttatt tatttctcct 420
 atcatatg 428

<210> 8067
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8067

tggcagtcac tagcatgata gttcgcagat actattaact ggtctatagt ttcttgatcg 60
 gggtgacgac atcaatattg tatttggaaa gacccaaaag aaagaaaaaa agtaaaactt 120
 tcatatgtaa gaagaggctg atattgtttg atcttacata ctggtctaata ctagatgtca 180

gacattgtat tgatgttatg catgtcgtga aaaatgtatg tgatagcatc atcgacacgc 240
 ttcttaacat tcaaggaaag acaaaggatg gtttgaatac tcgccaagat ctagttgaga 300
 tgggtatatg agagcagtta catccaaggt ctgatggtaa gaaaatataa tngcctctag 360
 cttgtcatac tttgtccaga aatgaaatgg taagtttatg ttagtgtctg caccgtctca 420
 tagtgccaca gggatactat tcaaatat 448

<210> 8068
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8068

cctgcggcat gcaagcttta ggtcactgaa gctctaatta taggccattt tttaggaatt 60
 ctttggaatg cagttataca aactctccct atgatacgag aaatcattag gtagttcagg 120
 actaccactt gttcatgttc ctcaccaata tctatgtgac acatttaagt ttttcaatgt 180
 atgagacaaa gttaataaca ctcaactagg tgtcctataa aaattaatag gaatcatata 240
 gtcttggacc attagtaatt tctcatacga tacacaccac ccacctagta ctgtgcttgg 300
 aattcaaaat ggaaaactga ttatctaaaa taatgcatat ggcataatat cataagaagc 360
 ttgatgatgc cttacgacca ttttgccatt catgtcacca tagaaaatta tgcaattata 420
 tnattagttg ccttaaataga 440

<210> 8069
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8069

taagtcacct gcagcatgca agctnngcat ntttatcctg atgatttggt ccatatgttc 60
 tcaagactgg actaatacan ttgctgccca agtttcatgg tcttgcaagt gaagatcctc 120
 ataagcatct taaggagtgc catattgtct gttccaccat gaagccccct gatgtccaag 180
 aagatcatgt ctttctaaag gcttttcttc attctctaga gggagtggca aaagattggc 240
 tatactacct tgctcctagg tccattttta gctgggatga cottaagaag gtgttcttgg 300

agaaattctt ccctgcaact aggaccactg ccatcagaaa agacatttca ggcacagggc 360
aacttagtgg agaaagcttg tatgagtact gtgaaagatt caagaaa 407

<210> 8070
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8070

agtttagcac cagacctctt cacggttttg ggtctgcttc caggggctgg tgggggccgt 60
tgcaacttaa gagcctggaa ggaaagacgt atgcctatgt atgttgggat gatttctcca 120
cactgacatg gggcaacttt atcagagaga aatttgacac ctttgaagat cctaagagtc 180
gagtctaaga cttctacgac agaaagactg cgctatccag agaatcanga gtgaccatgg 240
cagagagtgt gaaaacagca cgttttccgc attctgcccg tttgaaggca cctctcatga 300
gttctctgca gccattacac cacaacaaaa 330

<210> 8071
<211> 396
<212> DNA
<213> Glycine max

<400> 8071

atgcattggt taacttggtg acctatctgg cctcttatca gaaatctgta cctgtcgcaa 60
gggtttgtgg tttgtgctcc tctactgacc accatacaga cctttgccct tccatgcagc 120
aacctggagc aattgagcag cctgaagctt atgctgcaaa tatttacaat agacctctc 180
aacctcagca gcaaaatcaa ccacagcaga acaattatga cctctccagc aacagatata 240
accctggatg gaggaatcac cctaacctca gatggtccag ccctcagcaa caacagcagc 300
ctgctccttc cttccaaaat gctgctggcc caagcagacc atacattcct ccaccaatcc 360
aacaacaaca acaaccccag aaacagccaa cagttg 396

<210> 8072
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8072

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accttaggca tgcaccttag aaacctacac agcgatnatt ttatatnnna atttttatta 60
ttnatnagcg accgaatgca tttctttata aatgtathtt aataatagtt taattactaa 120
tttagtcett atagtttcat catttgtaca tttttgtcct tataatthta aagtgttttt 180
tttagtcett atagtttaca ttttaattcc ctttttagtc atctagtthta aaactggtht 240
ttttagtatt tataatthga gttttaattc ctttttagtc cctacagtht gaaagtggth 300
tcttttattt cttatacttt atacgttaat ttctttatag tccttaccat caaaagatca 360
gtaataatat caattacaat taactacaga tatataagca aataattcgt aactaattgt 420
tcccaaataa ttt 433
```

<210> 8073
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8073

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agtcacctgc ggcattgcaag ctggttnttt tataatagga ctgcttgatg ccctttccac 60
tgtatccact taaatthcca tatgctagaa aatcattaat agtacaaaac accattgtgc 120
gtaacctgaa tgtctactgc acatttgcac cccacacatc tacccttct tcccacaatt 180
gtttcaagtc ttcgattaat ggcgtaagat acacatcaat atcattccct ggctgccttg 240
gacccgcgat catcatacac aggataatgt atttacgcaa aatgcacaac catgggggaa 300
ggttgtaaatt catcagtaaa ac 322
```

<210> 8074
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 8074

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agctttgtaa tgatgtatcc gaggtgttca cgaagcagag atcggggtcg acgcccacgg 60
tgatgaagaa tgttccgagg acagatgagg cgagtttgge gacgccgttt ggaggctggg 120
ggcgaggaag tattggaatt acatggagcc ggcttctggg ggcgcgtggc atgcgcatat 180
```


tcacaatagg cgcacggtga aaactatggt gatgaatgtg gagagggatt cgggtgtgtg 240
cgagatcatg atccatgcga tgggccttgg attcagtttc tggagctggg aacgggggca 300

<210> 8075
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8075

ctatcttaag gtcgatgcat gaaaacatnn nnnnncatta taagtnttct ccaaatatca 60
gctgatgtcc caaacatgat tattttttcag acaattttct ttctttctct caaaaacaaa 120
tttcagctgt cccaaacacc ccaagggtg cagtaataac ataccactat cctgaagaat 180
atatctcttg gatatatctt tcatggtatc ataagcagt agatcaatgg cagcataagg 240
aatcatgcc aagcagagatg gaacaagccc tctgtagaaa gctcgaggtc cctcttgaac 300
ccatatattc attgtaagt ttcccagctt atgaacctt ccaccttcag agggacaagt 360
ctgtaacct agtttaatga gatccattgg atagatagca gcctgtgcaa ttgcaccagc 420
cgtaccaact gcaacaagcc ta 442

<210> 8076
<211> 316
<212> DNA
<213> Glycine max

<400> 8076

gagcgttctc gtatattatc ggcctgaatc agacatccga atcaaaagtt atggctgttt 60
gaatatgcc tgtgcttoga tgtttaattc tgagcatctc gatatattat gcacctgaat 120
cgggcatctg agtgaaaagt tatgccatat gagttagccg agagcttcgt tgttcgattt 180
ctagcgtctc gacatattat tggcctgaat cggacatccg agtcaaaagt tatggcgggt 240
taaactttgc atgtgcttcc gtgtttaatt atgagcatct cgatatatta tgcacctgaa 300
tcggacatct gagtga 316

<210> 8077
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8077

gactcatggt ctctatgaat gacttattcc tttggataaa ggnagtgttg ccatattttc 60
tttattccat actaaggcat acaactcctt atcatangtt gaatagttaa gggtaggacc 120
actataaatt tcactaaaat aagcaattgg atgaccttct tgcatacaaca cagccccaat 180
cccaacattt gaagcatcac actcaatttc acaagatttt tgaaagtttg gcaacgcaag 240
tatgggggca ttagttagct tttgcttaag aacattgaaa gcttcttctt gtttctctcc 300
ccatttgaaa ccaacatatt tcttgagcac ttcattgaga ggtgctgcca atgtgctaaa 360
atccttcaca aatcatctat aaaaacttgc taagccatga aaactcctca cct 413

<210> 8078
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8078

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gtaatgaatg cagaaagttg tattgtgcct gagtgggtag catagacaag atgaccattt 120
ggtagtttaa ctgtgatggg attaatttga tgatatgagt gaaaatttgt tagagaggag 180
gaaacatgat cagtggctcc tgaatctaag atccaggagg tagaattggc tttttcgcaa 240
gatagaatta tacctgttgc atcgttattg gaacaagatg aaataaaggc gacctatggc 300
ttgatgggtg ctg 313

<210> 8079
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8079

agctagtgtt tttctcaaata ataagacatg catgatgccc tttcccactg tatccactta 60
aatttccata tgctagaaaa tcattaatag tacaaaacac cattgtgcgt aacctgaatg 120
tctactgcac atttgcattc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180

cgattaatgg cgtaagatac acatcaatat cattccctgg ctgccttgga cccgcgatca 240
tcatacacag gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300
tcagtaaaac aggccaggaa ctgtggttgc tgcttaagct accataagga ttcattccat 360
cagaagcaag agcaagcctt aggttccttg gctcatccnc aaactcttga tacaaa 416

<210> 8080
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8080

aagctccttc aactgcacaa ggctcttaat atttgatatg tacccttggg aaccttcacc 60
cgacgaagac actgacaaaa acttatcttc tccttcttgg acaaagtatg gcaggctggg 120
ggcaagtaaa ttttcttccc atcagacctt gaatgcaact gtgatcgtat acccatatca 180
gctagatctt gacgggtatt caagtcaccc ttogtcttgc cttgaatgtt aaggagcgtc 240
ccaatcacac tgtcacaaac atttttctcc acatgcataa catcaataca atgtctaaca 300
tcaagatcac accagtacgg aagatcaaga anatgacctc ttcttcatat caactctgac 360
ttta 364

<210> 8081
<211> 288
<212> DNA
<213> Glycine max
<400> 8081

agctttccga actagacttt tcctcattat tcgaaccttc aagcaccaca gagtaaaaaa 60
aattaagcaa gatgaaactg gtcaggaatt ttacaagtgt atcctaaatg agagattcag 120
atgtaaagtg taagaatatg cgtgctgccc tatctactta ctatgctggt ctcttgaaga 180
atttcacgtg acacattgag tggaagtcac ttgagtaaca acacctttga caagcttagt 240
atcggggaac tgggttagcag taaaacatag tgaggataaa tatcagac 288

<210> 8082
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8082

agcaaggata atgtntnttt ttgttttttc ctcggtnttt ttgccccttc aatacaacat 60
aaaaaaaaaa ctacagtacg aaatttagca tgaaaaaatc tatattgctt ttgtcaatat 120
tttcatgctt aaaatttggc aacttaattt taattaaaaa ttttaattaca tccatcaatt 180
attaaaaatat tcaataagat cttcaaataa tttaaaaaat actataatca tatcatttgt 240
taactctatt agaatgataa aaattatata aataaacgtt tttatatcaa ttgcataagt 300
aatgtaaaaa tattttattca catcaataac atattttaag aagtaactaa ttttttta 357

<210> 8083
<211> 350
<212> DNA
<213> Glycine max

<400> 8083
tgaatcattt atcctatata cgacagttaa tttgtgagtc ccgtccaggt agtcccgaag 60
aaaaccggcc tcatcatgat aaaaaatgag aaggaggagc tgattcctat tcgggtgcag 120
aacagttaga gagtctgcat tgactatagg aggttgaacc aggtcaccaa aaaggaccat 180
tttcccctgc cattcattga ccagatgctt gaatgcctgg caggtaaatac tcactactgt 240
ttccttgatg gtttttctgg ttatatgcaa atcactatta ctctgagga tcaggaaaac 300
accacattca ccagcccctt cggaactttt gcctatagaa ggatgccttt 350

<210> 8084
<211> 362
<212> DNA
<213> Glycine max

<400> 8084
tgtaaaaaaa ggaagcaagt taaaaactct ttttatagtt ttaaacatta tttctagttc 60
aaaaccctt gaactacttc acattgattt atttggtccc tctagaacta tgagtgtagg 120
tggaattac tatggcttgg taatagtgga tgattactca aggtttactt ggaccttgta 180
cttgaaaacc aaaaatgaag cttttgatgc tttttgcaaa cttgccagg tgattcaaaa 240
tgaaaaaggt ctgaacattg tttcaattag aagtaatcat ataggtgaat ctcaaaataa 300

gtatcttgaa atcatttgtg aagaaaatgg aattcaccac aatttttcaa cccaagaata 360

cc 362

<210> 8085

<211> 327

<212> DNA

<213> Glycine max

<400> 8085

tgcttggaat ctatgtcttc tgtgttatac tctatctcat ttgaagcagc gcccgaatat 60

ctatcctatg gattttcatg gataaagtgc ttgttctttt ggggcaagaa catgctattt 120

cactagtaac tggaaactac tgcatttggc tcattcctgc actctttggg tatgtggtac 180

ttcaagcttt ggttcgttat tttcagactc agagcttgat ctttccaatg cttgtaacct 240

cagctgctgt ctttaatttcg catataccta tttgttgggt actaatgctt gaactgggac 300

ttggacaaaa tgcacgggcc ttattca 327

<210> 8086

<211> 362

<212> DNA

<213> Glycine max

<400> 8086

tgaaggcaaa ctggatgcgt tgggtcaactt gttaaccacag ctggccttga atcagaaatc 60

tgtacctgtc gcaagggttt gtgggtttgtg ctccctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcaacctgaa gcttatgctg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctttc 240

cagcaacaga tacaacctg gatgaaggaa tcaccctaac ctcagatggg ccagccctca 300

gcaacaacaa cagcagcctg ctccctcctt ccaaaatgct gctggcccaa gcagaccata 360

ca 362

<210> 8087

<211> 333

<212> DNA

<213> Glycine max

<400> 8087

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tagtataatt tctagcctct cgacatatta tgcgcccga tgggacattc gtgtgaaaag 120
tcatgatcat ttgaatttgt cgagagttaa cgatgtttta tttcgagcgt gtcgatatat 180
tataaccctg aatcgtacct cagtagtgac agctatgacc atttgaattt gacgagagct 240
tccgttggtc aatttctaact actcactata tgtgatgcgc cttaaattgga catttgtgtg 300
aaaacgtatg accatttgaa tttctcatga gct 333

<210> 8088
<211> 360
<212> DNA
<213> Glycine max

<400> 8088

taatacacca attattaatt tttttttaat agattgtatg tattttatat gaaagataat 60
cttattttaa ctggataaat aagataatta taagtataa aactctgtct ccaaataatt 120
aacgtaatta tatatgtaag actaattaat ctaaaataac tttgcatgat taacatactc 180
agtgtataa cactaatagt ttggtaataa ctaattcatt gataaatatt ataaaatcat 240
caatatttga gagtattaga ataaatttta ctctgtatta gaataaaatt aattagatgc 300
aaacctatta acgaaatgct ttaacttcac caaatatgtg attatgaaag caaagggtag 360

<210> 8089
<211> 362
<212> DNA
<213> Glycine max

<400> 8089

agcttaaggg aagagaggat tgcttacttg atttatactg gttcggccac ttcccgtgcc 60
tacgtccagt cctcaagcag cccacttgag attttccact ctctttgtaa aactcctttt 120
acaaagtctg aaccacacaa ggacaaccct tcccttggtg tcaagaatcc tctacaacaa 180
gagaccacg gtctcttaat cccttttcaa aaataagaag aagagaagaa gaaatctctc 240
ttaaagaga taaattgtac aatgaagatc aatcaaaatt ccttattgaa tatgcaaggg 300
tttgaccaag acatttcagt tcagaaaaac tcttaatctt tcgagaggat aaaacttttt 360
gg 362

<210> 8090
 <211> 351
 <212> DNA
 <213> Glycine max

 <400> 8090

 agcttcaaga gtcattctatg ttgttgctct ctgcagccac accatcttca aattctgtag 60
 ctttgtcgtc taactctagg gttgttttta attctgggtga tgcaaataaa ttttcaaagg 120
 tttctttgac ccctagttct cacactctgt ggcatactag gctgggtcat cctaattgctc 180
 atgttcttaa actttctctt aatcattgta atattgctcc atccaataaa aatgtctctg 240
 agctttgctc ttcttggtgt gtaggaaagt cacaccaact cccttcatct agttctcaaa 300
 ctatatactc tactccattg gaattaatta ttactgattt gtggggaccc t 351

<210> 8091
 <211> 341
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8091

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 ataagccagt tcaagccaga ctntatgtat gtcaggccgt atgccctgt aggctggtct 120
 ggcctattct catccctact tgttatcatt accattgttg tcacatctat cattactaac 180
 acctttatca tcgccataac attgttatca tcaattgtta aagttgttat cactattatc 240
 attatactca ttattgttat tgtcgntact ataaccctca ctaacaccct gtgtgtaata 300
 gntgtgatga ccataattat aataatgata ataatgaaaa a 341

<210> 8092
 <211> 344
 <212> DNA
 <213> Glycine max

 <400> 8092

 agcttgaagg aaaactggat gctttgggta acttggtaac ccaactggcc ttgaatcaga 60
 aatctatacc tgttgcaagg tttgtgggtt gtgctcctct gctgaccacc atacagacct 120
 ttgcccttcc atgcagcaac ctggagcgat tgagcagcct gaagcttatg ctgcaaatat 180

ttacaataga cctcctcaac ctcagcagca aaatcaacca cagcagaaaa attatgacct 240
ctccagcaac agatacaacc ctggatggag gaatcacctt aacctcagat ggtccagccc 300
tcagcaacaa caacagcagc ctgctccttc cttccaaaat gctg 344

<210> 8093
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8093

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tccaagtta tcctttccat tgtttaatac aaagcatttg caaccaaaaa catgtagatg 120
tgagatattt ggtttcctac cattaacaa tttgtatgga gttttcttta agataggtct 180
tattaaagcc ctattcatga tataacatgc agtattaacg gcttcagccc aaaaatattt 240
tggaagagga gtatcattca atacggttct agcaatttct tccaaaaacc tatttttcct 300
ttcaacaact ccattttgtt gaggggttct aggtgcagaa naattatgtt caataccatg 360
c 361

<210> 8094
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8094

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tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
gctttccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180
tcatagttag ttccatccag aattgggtgt ctgttcaactg gtcctccttc tttctccatg 240
ttcatcagaa tttatctccc tagatctcac tcagtgattt cgagtgcctg ctctgatacc 300
aattgaaatt ctgatcctgg ggacagatgt cgtacaggat gtcacgacat c 351

<210> 8095
<211> 353

<212> DNA
 <213> Glycine max
 <400> 8095

tcaaaaggct ttaataaaat tgaaattaaa gccttcgaa cccgggctct tagtacttcc 60
 aactcctaa actgcctcct taacttcccc ttctcaaat ttagccaaga gaaaaacatt 120
 gtcttcaaga gagataaatt tgaaatggac accatctagc tttggcttac aaccccttg 180
 ttctttgaat ctagtttcaa aaaactactt cacttcctcc tttacacaat gtggctcttc 240
 ccccccccc cctccaccc tcaagcctct caacatattt ttcttccttc tccaatgacc 300
 acatgaatta aaatattttg aatttctatc accttcacg acccaccttg ctc 353

<210> 8096
 <211> 298
 <212> DNA
 <213> Glycine max
 <400> 8096

agcttaccac cgtaagaggc cattgataag agcttggaag aagaaggaga tgaatgtagg 60
 gagaggatga gaatagcacg aaattttgta ctctaaaaga gttctgaaat ctgaagtta 120
 attttcaa at tcaaaagtt gaaaaaaatg cacacacaag gcctctattt atagcctaag 180
 tgccacacaa aaatggagga acattttaa tttctattcaa atttcacttg aatttgaaat 240
 tgaatttgtg gagccaaact ttggagccaa aatttcactt tttatgatta gtgaattt 298

<210> 8097
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 8097

agcttgtaac tcttggcaat ttttttaaaa ctagccactt aaaaagttat gacttttgaa 60
 agaatcttca gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcaaaa 120
 tcagtcactg gtaatcgatt accattaagg tgtaatcgat tacacatcaa cagatgtgac 180
 ttcatthtga attttgaaaa tcttaacatt ttaaaacact ggtaatcgat tacatgatta 240
 tggtaactga ttacagcttt gtaaatcagt ttgaaaaaaa tgctggctac tggtaatcga 300
 ttactacctt ctggtaatcc attacccgag agttaaacac tttggtaaaa aa 352

<210> 8098
 <211> 333
 <212> DNA
 <213> Glycine max
 <400> 8098
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 ttgccatgcg tagtgattgc ttaaggcaat tctccattct caaccctttt tcggaacccc 120
 atgaattgog tactcgttca tgtgcctttc aacttcgagt atggagcctt gcgcagagat 180
 ttgcttatgc aattctccat tctcaaccct ttttttggat caccaagaat ggtcgttttt 240
 gttcatgtgt gctccatctt ctattttgga gacatgcgtc gtgattgctt agtgcataac 300
 ctcatcttta atctcttttt gggagcccca aga 333

<210> 8099
 <211> 348
 <212> DNA
 <213> Glycine max
 <400> 8099
 tgctagccca aggaagcgga ggccatttcc tttactttta caagagggcc attcttggat 60
 ggccttgatc tcagggtcca cttggacacc atttctacca actacaaatc ctaagaaaac 120
 tatattatct acacaaaagg tacacttctc tatattgaca tatagagtgt ttttcctaag 180
 aactgaaaga acttgcctta aatgtcctaa gtgatcatct aggtccaac tgttcactaa 240
 aatatcatca aaataaacia ctacaaatct atctatgaaa tcccttaaca tatgatgcat 300
 aagcctcata aacgtgcttg gtgcattatc gatcccaaag gcataact 348

<210> 8100
 <211> 347
 <212> DNA
 <213> Glycine max
 <400> 8100
 ttcttagtat cctccacaag gtgttggtct tgacttgctg agtcccaaag ctgccaaagt 60
 ttgtcttgaa acaccttaat gttcctagat ttccagataa gccaatgtgt aattgcaaag 120
 aacatgatgc aatcctaccc tccaagggca ttggatagaa gactccaaga agattggacc 180

agagatgcag aaaaaggccc taggattctc ataagcctta tggtagattt tgggcttatg 240
 ggcatagtat gagcccactt atcattgcac atattagatt aaggtttcat ttttttggg 300
 ccttgtattt agggctccat actgtaagga ggttacccta ataatgt 347

<210> 8101
 <211> 341
 <212> DNA
 <213> Glycine max
 <400> 8101

agcttggagg aagaatgaga ttattgaggg agaggaagag aagagcctga aattttgtgc 60
 tctaaaagag ctctaaaatc tgaagtttaa ttttcaaag atcaaagttg aaaaaatgca 120
 cacacatgac ctctatttat agccttagtg tcaacacaaa ttggagggaa atttgaattt 180
 cacttgaaat tgaaattgaa tttgtggacc caaactttgg agccaaaatt tcactaataa 240
 tgattagtga attttagtta tgggtcaggc cactaatcca agatcaattc caagattctc 300
 cactaaatgt gcttaagtgt catgaggcat tgtaagcatg a 341

<210> 8102
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 8102

ttagcctaag gctgtacacc atgttgctca tgttgctctc cctatatatta acaatttcca 60
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 ttagtggttc acgggtaaaa ggtatggtct atttgtggtg gacgactact ctagatgaac 180
 atggattatt tttcttacct acaaaaatga gtattttaga gtcgtcttta aattttacaa 240
 aagaattcaa agtgaaaaag gagtatacat tacttcaatt acaaatgac atggtggaca 300
 attctaaaat gaaatttttt ttcattattt gaactaaaat ggtattcttt gcattttctc 360
 a 361

<210> 8103
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 8103

agcttgcaca caagttgggtt gttgttggtta ttggtttgat tacatgaaaa cctctcattt 60
gtgttttagct tgtattattg gtttagatga aatcccttcg ctacaagtca aacaattata 120
cttggtgata gtgccattag ggtttttctt caccctaaac acctatttac aaccaattgg 180
atccctatat ggaggcagtt cagtaagagt ccatgtacca ttttttatca aagcatcatg 240
ctcaatcctc cttgttgcaa accaagtagg attggaaaga gcaatttatg ttaacttgtg 300
ctcacaatta gctagaagaa gagtacgatg aagtcttgga ttgacaac 348

<210> 8104

<211> 358

<212> DNA

<213> Glycine max

<400> 8104

ttccttgaat attcttctgt ggtataacaa attggaattc ctgcctgtcc tgataggcaa 60
gcgttaaatt gggcaactta aaatcctctc gataattggt tgcaagattg cggatggctg 120
tgaaagcaac accaaatgct ttgagaacac aaatatgata tgctgcattc caagaaagat 180
tacactgttg acagaaaagt aaacttcaag ctaacggatt ataaaacctt cactggtttc 240
acaaaatgct cttcgtgaaa tatccaagag gccatcaatt ccacacctta cagcaaagca 300
ttgtttgagt gcaagcaaca aaaagaacgc gtgcatgaaa tacatcttca tcaataac 358

<210> 8105

<211> 352

<212> DNA

<213> Glycine max

<400> 8105

ttagaattgt cctatttggt ttgtgttcct tttgaaatat tttgaaaaaa aaaataattt 60
ttttttcaaa atatttcaat tttttatagt tgaggcgtta tttgatttca aaatccgatt 120
attatattcc taacctgaag tgttccttgg tgtattgata aaaagtaata atttttcttt 180
gaatcttaac aattgatatc cttttgaaac aatttttttt tcttcatttg aattgatagt 240
gaattctttc aatttcttat tcgatttatg tattcttttt tctaaactaa acaaggcaag 300
gactaactcc tgaactgcaa gtaaaaaaag ttatagaata gaatatagat tt 352

<210> 8106
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8106

agcttgtacc aattgggtcca ttgttgacaa gtcgatgata tacaattgca actacaaaat 60
 caattggaca atattgggaa gaagatctct cttgcatgag ttggctcgat caacaacctc 120
 gtgattctgt gttgtatgtt gcctttggta gtttcactca ttttgatcaa aaccaattca 180
 acgaactagc tcttggattg gacctacca atagaccttt tctttgggtt gtgcgtcaag 240
 acaataagag ggtataccct aatgaattct tgggaagtaa aggtaagatt gttggttggg 300
 ctctcaaca aaaggtgta agccacctg ctgtaacatg ttttgcacc cattg 355

<210> 8107
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 8107

tgccatgaat agtttcatgt gtactagtaa ataggctggc ataactctgt cataaaacac 60
 aaccataaac taaaataagc atatgtgatc agtgtcaaaa taaaatgcaa ccatttaca 120
 aaccaatcaa gaaaataaga atagattatt acagctaacc aatcaacaag cttttcaggt 180
 agccatgctt gagattgctt gtccacataa aatatttcaa ttaactccca cgcagctttc 240
 aaagatgtag gctcttcacc tctctatatt atgtgtaatg tgttaaaaag caagtgatta 300
 acttctcggg atcataattc ccacaaagca gatctcagct cagctaaaca c 351

<210> 8108
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8108

tgtaatcgat tacacatcta ctgtaatcga ttaccagagc agattttcag aaaatattct 60
 caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcta agagtttttc agaacaaaaa ggtcttatcc tcttataaag 180

caaaatcggtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaagaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctttcaag aaagatttct tcttttcttc 300
 ttcttcattc tgaaaaggga ttaagagacc gagggctctt tgttgatgaa 349

<210> 8109
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 8109
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 tagtggactg agctaagata gtctatttct tttacttcca agaaatagcc ccaccagcta 120
 tgctaaatat atagctgttg gttgctttgg aatcatctga aagagtgttc caatctgcat 180
 cgctgtatcc ttcaagtaca acgggaaacc ttttataatg taatccaagg cttatgggtc 240
 ttttaaggta cctcattacc ctttcaatag cgtgctagtg ctccatacta ggtctactga 300
 taaacctgca taataatccc acaactaggc tatgttggat ctagtacaat c 351

<210> 8110
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 8110
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 ggataaaggt agtggtgcca tgttttcaaa gcctgtacta aggcatacaa ctcttatca 120
 taagttgaat agttaagggt aggaccactt aacttttcac taaaataagc aattggatgg 180
 cttctttgca tcaacacagc cccaatccca acatttgaag catcacactc aatttcaaaa 240
 gatttttgaa agtttggcaa cacaagtatg ggggcattag ttagcttttg cttaagaaca 300
 ttgaaagctt cttcttgttt ctctcccat ttgaaaccaa catttttctt gagcacttc 359

<210> 8111
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8111

agcttcaaca ttcaatttct agcgtctcga tgtatcacgg gactcaatca gacatccgag 60
 taaaaagtta tcgtcggatg aatttgctca gagcttcaga attcaatttc gatcgtctcg 120
 atatattacg ggactcaatc agacatctga gtaaaaaagt tattgtcgtt tgaatttgct 180
 gagagcttca acattcaatt tcgagcgtct cgatgtatga cgggactcaa tcagacatcc 240
 gaataaaaag ctattgtcgt tcgaattagc tccgagcttc agaattcaat ggcgagcgtc 300
 tcaa 304

<210> 8112
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8112

tttcaactcg atgtccgatt caggcgcata atatatcgag acgttcgaaa ttgaacaatg 60
 gaagctcttg agcaattcaa atgatcataa cttttcacta ggatgtccga ttcaggcgca 120
 taagatatcg agatgttcga aattgaacaa cggaatcttt tgagcaattc atatggtcaa 180
 agcttttcac tcggatgtcc gattcaggcg cataatatat cgagaagttc gaaattgaac 240
 aatggaagct cttgagcaat tcaaattgat ataactttta actcggatgt ccgattcagg 300
 cgcataatat atcgagacat tcgaaattga acaatggaag ctcttg 346

<210> 8113
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 8113

agcttccatt gttcaatttc gttcgtctcg atatcttatg cgctgaatc tgacctcgt 60
 gtgaaaagtt atgaccatct gaatttctcg agagcttccg ttgttcaatt ttgagcgtct 120
 tgatatatta tacgcctgaa tcggacctcc gagtgaacaa ttatgaccat ttaaatttct 180
 cgagagcttc cgctgttcaa tttcgagcgt ctctatatgt gatgcgcta aatctgacct 240
 ccgtgtgaaa agttatgacc atttgaattt ctcgagagcc ttcgctgttc atttcgagcg 300
 gcttcatata ttatgcgc 318

<210> 8114
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 8114

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 taaacaaata tgagaggatt aatggagaaa aatagtacta actagttctt acattttgat 120
 attgctgttg ctgatcttgc atcgaatccg ataataaggg taagcatggg cacaaagatg 180
 ccacccccac caacacctcc cacagtccca tatgctgac ctatgaatcc aatcatgctg 240
 cccactatta ttttccacc aaatttcac tctacaacc aaaaacagaa gcattaatta 300
 caaggaatt aatcccaatt caatgtcctt aattaatata caaacactaa t 351

<210> 8115
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8115

ttggagtffc caagtgccaa ctcgttttct tctttattcc agtcttcttc tggcttcaat 60
 tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagtgc ttccatcgag aattggtggt ctgttactg gtccgccttc tttctccatg 240
 ttcacagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgct 357

<210> 8116
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 8116

agcttgtgga gaccgtccta gatttttaaag caccgccatt gagtatgctg cattctgctg 60
 atgaatttgc agtaataaca aacatcactt cattgtgcat taagatttac tttgaacttt 120
 ccttcttgac ctattatgtg tgcaactata tataatgatt tatgatctgt aatatttacg 180
 ttgatttggg gcataatcaa tatcgcaatt tccaaggctt gacttgctg atgcaaatct 240

caacaaggac tgaagatddd attgttgaca ctttgaaaact tcacagttct attgggccct 300
 atatgagggga agtcttcaag gacctttcca atagaaaagt tagtggcaca tgattg 356

<210> 8117
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8117
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 aatggtcata aaatttcact caaatgtacg attcggggac ataatatatc gagacgctcg 120
 aaattgaaca acggaagcta tctagaaatt cgaatagtcc taacttttca cacagaagac 180
 agattcgggg acataatata tcgagacact cgaaattgaa caacggaacc tctcgagaaa 240
 ttcgaatggt catatctctt cacacagatg tccgattcag ggacataata tatcgagaag 300
 ttcgaaattg aacaacggaa gctctcgaca aattcgaatg gtcataacat ttcactc 357

<210> 8118
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8118
 tgcttctaga gttgttttgt tctttaatcg gccatctggg tgaaaagtta tgaccagtcg 60
 aatttgttga gagcttctct tgtttaattg ggagcatctc gataaactat tttgcccaat 120
 cggacatccg cgtgaaaatt tatgaccatt cgaatttttc tagaggcttc gttgtttaat 180
 ttcgagcatc tcgatttatt atgtactcga atagaacatc ttagtgaaat ggtatggcca 240
 ttctaatttc ttgatagttt tcggtcatca atttcgagcg tttagaagag ttatg 295

<210> 8119
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8119
 tctgttctga atttcgagca tctccatata ctacgggaaa caatcggaca tccgagtaaa 60
 aaggttttgt tgtttgaatt ttctaagagg ttatgatttc aattttgagc gtctcgatat 120

attacgagac tcaatcaggc atccgagtaa aaagttattg tcgtagatt tttcttagag 180
 cttctatttc cgattatgag cgtctcgata tattacgaga ttcattcgga catccgagta 240
 aaaagttatt gtcgtttgat tttgctcaaa gcttctgtta tgaatttcga gtgtctcgat 300
 atactacggg acacaatcgg acatccgagt aaaaagttat tgaca 345

<210> 8120
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8120

gcaactatnc gncctggca caattgtcag aattattcta aacctgcang gttctttaag 60
 ctaaccaatt ccaaacaagg tcatattcca tcgacttttt tggttattca aggcattgcat 120
 tgatgcattc gcattttgta aaccattgt gcaaactgat ggaacatggc tttatggaca 180
 atacaaaggg aactgttaa ttgcagttgc acaagatggg gctaacaaca tatttccatt 240
 agcatttgcc attgtcgagg gtgagacagc agatggttga cactttttgt tgcaaaactt 300
 gaaaaccac gtcacaccat aacatggtat atgcttaatc tctggtagac atgagtcaat 360
 ccaaatgca tacagacgac ttgacagtgg gtggacaaca aacaactcat taca 414

<210> 8121
 <211> 310
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8121

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 ggccacctct attcccttta ctaaaatctt atgccccagc attattcctt cctgaacct 120
 gaaatggcat ttctcccaat tgagaactag attggactct tcacatctct gtaatactct 180
 ntcaagggtt gatatgcacc cctcaaaaga tggcccaaaa atagagaaat catccatgaa 240
 aacttcaatg catntttcca cctaatacaga aaaaattgca atcatacact gctgaaatgt 300
 aactggggca 310

<210> 8122
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 8122

tcttagtttt agctgatgaa gacgaagtgt ggctacttca tgcactcctc taatgactat 60
 agcatcattt atggcactaa actgttgga gttggaagcc atcttctcaa ttaaatttct 120
 ggcttcagca ggggtcatgt ctccaagggc tccaccactg gcagcatcta tcatacttct 180
 ctccatgtta ctgagtcctt cataaaaata ttggagaaga agctgctcag aaatctggtg 240
 gtgagggcaa ctggcacata gttttttaaa tctctcccat tattcatata ggctctctcc 300
 actgagttgc ataatgcctg aaatatacctt tctgatggtc gtggtcctgg aagcagggaa 360
 atttttttct aagaatactc tcttgaggtc atcccagcta atgatg 406

<210> 8123
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 8123

cctctaccac tagtcttaat ctttggcatg ctaggttatg acatcctaata gatcatgtaa 60
 tgaaaattgt tctcaaacag tgtaatatct ctcaactgaa taaaaacatc accgagtttt 120
 gttcttcttg ttggatgggt aaagctcata ggttaccctc tcacagctca acaggcttcc 180
 cactccctct ctcaagtttg ttgttccttt tgttcctttg attaataaag agtctgatta 240
 tcattttctt aaaactgtta cgtgtgcctg ttttccttta ctaaagccat atcatacaca 300
 caagctc 307

<210> 8124
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8124

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 aatgtgccat caaatgtaca aaatactatt actaatatta tgggtgcaga atgtctatgc 120

atggggaagt atcttggaat tccatcggtta gttgggtccaa gtaaaagggc ggtgtttggg 180
cacgtaaagg acaaggtttg gaagcgtatt caatcatggg agggccattg gctctctagt 240
gcaggaaatg aggttatgat caagcgtgtc cttcaggcta ttccaacata ttatatatcc 300
atctatttgc ttcctgatag cctcgcagat gagatacata tattgctaaa ttg 353

<210> 8125
<211> 372
<212> DNA
<213> Glycine max

<400> 8125

cctaacgcct tgttcaaact ctctataac ctttatgtga atctaggatc tctatcagac 60
actatggttg acgacacatc atgtcatctg acaatctcac taatgtataa cgagggtcaac 120
ttctctaagg aaaacctaatt attgatgggg ataaagtgtg cagatttatt gaatctgtca 180
acaataaccc aaatagaatc aaaaccttta cgggtcctaa gtagtcctac aacgaaatcc 240
atggagatat tgttccactt ctacacgggt atctctaacg gttgtaactt acctaaaggt 300
ctctgatgtt ctatcttagc cttctagtag actaaacacg catacataaa cttattaacc 360
tctgtcttca tg 372

<210> 8126
<211> 383
<212> DNA
<213> Glycine max

<400> 8126

agcttctgtc cctgagaaac tggttccctt attacaattg ggagtgaaga ttgctgaaaa 60
ccctagcctt gcaacaagtc ctaggggaagt agacacggag atggacaaga aaatccgcag 120
tatggtgagt agcattttga aagaagcctc tgtgcctgaa gctgatgaag atgttccaac 180
atcttccacc ccgaatgttt ctatgcctga tgttgagaaa gatgttccaa catcttccgg 240
cccaaagat gaagtactct cttccccag caaagagaga tcaacagagg aagatgatca 300
agccgcagag gagaccctg caccaagggc accaaaacct gctccagggtg acctcattga- 360
cttagaagaa gtcgaatctg atg 383

<210> 8127

<211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8127

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agctagaagg tgnntagctt accatctatt cttattatag aaccggtagt gtgtctacta 60
tcattgtcgt cttttttttt tcgtcattga ggtgccactt gagctgccac gtctctccac 120
ctttgggcgt attcttttga aagatttgtg cccctttttt gcacatgttc tgtagttgca 180
tcctatccga agacattata ctgacactgc ctaatgaagg caatcactag gtccttccaa 240
gaatcgactc gggaagggtc caagttagtg taccaggtaa caactacccc agttagactt 300
tcttgaagg aatgtatcaa caattcctca tcttttgtga tgcccccatc ttccgacaat 360
acatcttttag atggctcttg gggcaagtaa tccccctg 398
```

<210> 8128
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 8128

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acctgttaga caaatggcct cagttatctt aagatggggg gttgaattaa gatacaaaga 60
ctattcctca attaaaattt cgctctctct ttttagatta acattgcacc cttaacatga 120
attactcaaa agacaattca gaataaactt ctttaaagca aaagataaat ggcaataatt 180
aaaagaagtt taagggaaga gagaaatgca aactgattta tactggttcg gccacttccc 240
gtgcctacgt ccagtcctca agcaaccac ttgagatatt tcaactctctt tgtaaaactc 300
cttttcaaaa gtttgaacca cacagggaca ac 332
```

<210> 8129
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8129

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agcttcaaca tcagaccact tccagggtgt tggaactttt ttcattggact ngatggggcc 60
tatgcaagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
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cagatttacc tgngtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180
 gttgagtctc atacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgacca 240
 tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
 tgagttctct gcagccatca caccacaaca aaatggcata attgaaagga aaaac 355

<210> 8130
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8130

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 tcttatcgac aatggaaaaa agcttttaat ggaagtcagg agaatgaagg ccccccgaa 120
 gcattaactg gaaaccaagt tcatgatcgc gtaaaggaca ttgtaaccgt gtttggcaag 180
 tcccagaaga agacatcatc tcccaaaaac atgtggaaga aacgctcaat attctttgat 240
 ctttcatact ggtctgatct atatgtgcgt cactgtctag atgttatgca tgtggagaaa 300
 aaagtgtgtg atagtttaat tgggtactctt c 331

<210> 8131
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8131

agcttgataa gaattntggt tgtaatactt gtcattattc taaacataaa agacttccat 60
 ttcccaccag taactcacat gcatcgaata gtttttaact ttacatata gatatatggg 120
 gaccttggtc aaagggttca atgctaggac attgatactt tctaaccata gtagatgatt 180
 attcacgttt tacttggata tttctaatagc atgtcaaagc tgaaacacga gaacatatca 240
 aagcctttat agctcttggt gaaactcaat ttgac 275

<210> 8132
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8132

tctccttcca tggcgtattc tctagtggat ggcgcctttt cttagctcta gtcctttatc 60
ttttgctgca actccatggt tgaaaatcac cattaaagga ccttattgaa gctcaaagat 120
ccaacctcca tagaagcttc tcaagcaagc ttccatcaag attctactat tcgcattgca 180
tggttatoga actttggtgc gtacttctac tggggcaacc ctattctctn tgggtgatga 240
gatggaagtt gtgctccctt ttaaggtaga gattccttct ttgagaattc tagcagaatc 300
agggttggga gaagcagaat gggccagaca tgttttgact agttgaatct tatcgagggg 360
aaaagaatgg ctgccatgag tcatgggtgg ctatatc 397

<210> 8133
<211> 359
<212> DNA
<213> Glycine max

<400> 8133

tctaaacttt gtacaagaat gaagctcttt ttccacttgt tatacaagag gcctcagata 60
tcgtcagaag ggggggttga attaatatat cccaaactgt ttccctaata taaaaatcta 120
tttacttttt tactcaagtt attaattccc ttaatgacaa tcttcttaaa tattaattca 180
aatgaagcaa cttgaatatg aatataaagc actaatcaat aaaggagatt aacggaagag 240
aaaatgcaaa ctcagtttta tactggttcg gccacacct tgtgcctacg ttcagtcccc 300
aagcaaccgg cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacaca 359

<210> 8134
<211> 392
<212> DNA
<213> Glycine max

<400> 8134

agcttcctta agattattcc taattaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctcccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataataaaaa aaaagtcctt attacaaaga 180
caactcaaaa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240
caaggcctag acgaaggaaa aacctattct aatatttaca aagataagcg ggctcact 300

tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc tttccttgga 360
tctctagccc aatctacttg gagtcttcta gc 392

<210> 8135
<211> 253
<212> DNA
<213> Glycine max

<400> 8135
aacttctgcg gggacatctt gacttgcttt tcaatctgtc atttaccaca aaatctgcct 60
tcttttattt tcagattggg aatgcctatt acagcacctt tgtcaatgat tttcttcatg 120
cctcttacga gcagatgtcc aaatcgttga tgccatattc tgacttcatt ttctttggac 180
gacatacatg tggaggagta actggtttct ttaggtgtcc atacgtaaca ctggatcttt 240
gatctgctgc cct 253

<210> 8136
<211> 227
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8136

agctgtggag tttccaagcg ccaatacgtt ttcattcttta ttccagncaa cagatggctt 60
gaatccatca gcgggctttc cttctgagtc cagcatcttg ggatgtacct agcctttgaa 120
gacaggtttc caagttctgc tatccagtga tttgaggagg gccaccatcc ttgctttgca 180
gtatgtctag taggttccat ccagaattgg aggcctgttc actggtc 227

<210> 8137
<211> 421
<212> DNA
<213> Glycine max

<400> 8137
tataaaactc aagcttttgt gaaaggaaga agatgatgaa agatgagtat gataataatt 60
gtaaaggctt aaaggtttct caaaagttgt tcaagaagtt gttaaaaatg caagtcaagg 120
tcttgctttt atagactctt catgtctggt caagaaaacc attggaagag ttataacctt 180

gagaaaatca tgtcaagagt tacatctctt gaccttttat tcaaaacttg tcaactggtaa 240
 ttgattacca taatcatgta atcgattaca caatgcattt taagaaaaga tgtgactctt 300
 cacaattgaa tctgaatttc aacattcaga tacactggta atcgattacc aatatattgt 360
 aatcgattac accatttaaa aatcatttga atgttgcaaa ttcaattaaa agctttttga 420
 a 421

<210> 8138
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8138

cttggagttt ccaagtgcc aatcgtcttc ttcttttagtt cagtcttctt ctggcttcaa 60
 ttcatcagtg ggctttcctt ctgtgtccag catcttggga tgttcccagc ctttgatgac 120
 agctttccag gttctgctat ccagtgattt gaggaaggcc accatccttg ctttccagta 180
 ttcatagttg gttccatcta ngattggtgg tctgttcaact ggtcctcctt ctttctccat 240
 gttcatcaga atttatctcc ctagatctca ctctgtgatt tcgagtgttg gctctgatac 300
 caattganat tctgatacca ggggacagat gtcgtaccgg atgtcacgac atcacgcctc 360
 agaacatgca gattatatgt gt 382

<210> 8139
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 8139

ccttgcaagc tccaaacacc ccatttgaaa atctttcttg attaaacttt tgatcatcag 60
 gccccagag ttgaggggtct tgttgagca ctgagattgg aatctgaata ttcattcctt 120
 ttggaattag gatgcctttt aaattaacac cttggagagc tgttctaaca acaaaggctg 180
 ctggcgaaata aagcctcaaa gtctcttgaa tcaccatggc caactgcaag tgtaacattt 240
 ttatatatgg ccttcacaga tcagtaagaa tgctcatgaa actgggaaat gatcaactat 300
 aattacaata aaatttgagg cacacaaaaa tcagaaaaag cttgttggtta aatgtacctt 360
 acatgctg 368

<210> 8140
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8140

agctccttca ctccttgact caaaacgcat tgaatgaata atttcacact ccacaggctc 60
 agaatactaa tgcccactca gacttcacta ttcacaacaa caccatcctg cagcaaggca 120
 aaatttggct gtccttgggt catgaatnca taccacatt atgggaagaa ttcataaaaa 180
 cttctgtagg gggccataca tgagttgcta agacacttca ccacttgcaa gataatctac 240
 aatggtctta tatgcgccac gatgtacgcc agtatgtggc acactatgac atctatccac 300
 atacaaagga agagactcat agaccaactg gcttactgca acctttccct attccaataa 360
 caatgtggga aaatctctct ttatactgca ttactggcgt accacctt 408

<210> 8141
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 8141

agctggtacc tccttcttac tacattttaa tactggtttg agtcttctct gtggctatct 60
 tacaggttta gcccacacct ctaaatttat ccgatgcata catgttgatg ggctaatacc 120
 aggaatgtcg gccagggtcc agcctatagc cttcttatgc ttcttgagaa ctgataacaa 180
 cttctcctct tgctcatcag caaggagggc agatataatt actggaaaac ttttactatc 240
 atccaagtaa gcatatttta aatttgatgg cagaggcttc aaatctggtg tgggcggctg 300
 gataatggta gaaag 315

<210> 8142
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8142

taagcacctg ccgcatgcag cggcaacaaa gttttcctna cttgagagaa gcccgcggtc 60

gantcatata aacctcctcc tctagatcac cattaagaaa agttgccttc acatccattt 120
 gttgcaactc aaggattgaa tgaccaacta atgccaaaat aataaaaaga gaatctttct 180
 tagatactgg agaaaaagtc ggtatgtagt ccaatccttt tttttgagta aataccttat 240
 ccacaagtct tgccttgtat ctcaaatga tgcctaata atcccttttg gtcttaaaga 300
 cccatctata gtcaatggcc ttgccccat taagcaactt ta 342

<210> 8143
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8143

tatagttatt ggagggagta taaaacaatc cacaatcttt tgtacccttc aagtaacgaa 60
 gaattctttt tgcggctttt agatgacgag aggtaggagc ctccgtaaag cgacacacaa 120
 cttccaccgc atatagaata tcgggccttg tattggttag ataccttaaa ctccccacaa 180
 gactcttgaa gaccatggag tctaccttct ctcccttcac aaactttgat aacttcaagc 240
 caccttccat acgtgtgttc acgggattgc aatctagcat actaaatttc ttcaacactt 300
 cttttgtgta acttccttgt gagacaaaga taccattctc cattngcttc acttccattc 360
 ccagtaatat gacatgagtc ccatatctat catatcaaat tcacgaga 408

<210> 8144
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 8144

agctgtacaa atgaacaatt ctcgagatt catgcctcta ccgcgcaca aaacagctat 60
 cggatgtcgc tggatatata agatcaaata tcgagccgat ggggtccatat aaagatacaa 120
 ggcacgcctg tgtgccaagg gttacactca aacggagggg ttggactacc ttgacacctt 180
 ttcttcggta gcaaaactca cctccgt 207

<210> 8145
 <211> 386
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8145

agctntagat actgaactgt aacccacata gatatcgggt tcaactttct tggctagctt 60
gtctctctta atttgaggca cataagtaaa gcgcaaacaat ccaaatactt taaaaaattt 120
caagaagggt ttataaccat accaagcctc aaaaggagtc ttctcatcta ctgcttttgg 180
gggaagtcta tttatcaaaa atactgcagt gtttgtagct ttcgccaat atgccttagg 240
taactctttc tcatgaaaca tacatctgac catttccaag attgtttgat tctttctttc 300
actaacccca tnttgtttaa aggtgtaaga agctgttaat tgatgttcaa tgtctgcttc 360
ctcacaaaac atgatgagtt atgctg 386

<210> 8146

<211> 331

<212> DNA

<213> Glycine max

<400> 8146

cgctgaatc agacatacga gtgaaaagt atgaccatgt gaattgtttg agagctttct 60
acggataaat ttgagcgact cgatgtatta tacgcctgaa tggaagctca tcgtaaaaag 120
ttatgaccat ttgaatgtct tgagagcatc cgttgttcat tttttagcac ctctatatgt 180
gatgaacctt aatcggacct acgtgtgaaa agctatgacc atttgaagtt ctcgagagct 240
tccatcgttg aacttagagc gtctctatat attatacgcc cgaatcggac atccgcggga 300
aacgctatga ctatctgaat ctctcgagag c 331

<210> 8147

<211> 397

<212> DNA

<213> Glycine max

<400> 8147

agtgcctgta tattgatgcg cctgaatccg acatccgagt gaaaagttat gaccatttga 60
atttctcgag agcttcttat gtttaatttt gagcgtctcg atatattata cgctgaatc 120
ggacctcagt gtgaaaagt atgaccattt gaatttcttg agagcatccg atgatcattt 180
tcgagcgtct ctatatgtga tgaaccttaa tcggacctcc gtgtgaaaag ttatgaccat 240

ttgaatttct cgagagcttc cgttggtcaa tttcgagcgt ctcgacatat tatgcgcccg 300
aatcggacat ccatgggaaa agctatgacc atttgaattt ctcgagagct tccagtgttc 360
aatttcgagc gtctcgacat atgatgcgcc cgaatcg 397

<210> 8148
<211> 383
<212> DNA
<213> Glycine max

<400> 8148

tgacaggcag gtgcacatgt ctgcaatgta tttggctttt caagtggaca gtgctactac 60
tttttgcttc ttggaactct aggatatggg agaccctaac aacaggtgaa cttatcccac 120
gatgctcctt ttgtctacta gatcaccaca cctgtcagaa tcatagtagg ctacaagggtg 180
taggctatca tctcccttag tatgatgagg aaacaaaatg ccatattcga gtgtccctct 240
cagatacctc atgattcttt tagctacaat caagtgtggg tgtcttggat cactcataaa 300
tctgtgacc aagccaacac tgaaagccac ttctggccta ctgtgacaga taaactcagg 360
ctaccaacaa tctacctaaa cat 383

<210> 8149
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8149

agcttgttct taagcccttt taccactcct tctctcctta actcattctt catgtgcttg 60
aagagaattc aacaactccc ccaccttcat tgaatcaaag atccttggat tctttgattg 120
ccacaataat gtgattaaaa gaggagtcaa tgttctcaac accttgccaa caatttgttg 180
gtctaacaac acttcattgc aggctttcat tgaattgatt aatgtttgga tttagttgaa 240
ataattaaca atggactctt gatcactcat tgacaataat tcatattgtc ttcaaagatc 300
ttgaagcttc acctttntgg ttttggttgc acctccataa gctttgttca agatgtccca 360
agcttctttt attatcatag cctttgaagt ttttccaaaa tttgcaacat 410

<210> 8150

<211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8150

agcttgtagg gttaaagtct tacgatngta cgtgctcatg caacaattgt tagccggggc 60
 tatacaagac atcttgccaa acaaagtcag gttcaccata actcgctat gctttttctt 120
 ccatgctata tgtagcaaag tgattgatcc attaatgttt gatgagttgg aaaatgaggc 180
 cgcaattata ctgtgccagg tggagatgta ttttccccct gctttctttg acatcatgat 240
 tcacttgatt gtgcatctgg tcagagaaat caaatgctgt ggtcctgggt atctacgggtg 300
 gatgtacccg ggtgagcgat acatg 325

<210> 8151
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8151

ncaagcttga gcaaatttaa acgactttta tttttgactc ggatgtccga ttgtgtcctg 60
 taatatatcg agacactcgt aatcggaac agaagctctg agcaaattca aacgacaata 120
 acttcttact cggatgtccg attgaatccc gtaatatac gagacgctct taattgaaaa 180
 tagcagctct gagcaaattc aaacggcaat aacttttaac tcgggtgtcc gattgtgtcc 240
 cgtaatatat ggatacgtc ggaattgaaa acagaagctc tgagcaaatt caaacgacaa 300
 taacttctta ctogaatgtc cgattgagtc ccacaacata tcgagacgct cgtaattgaa 360
 agcaaagctt tatcaaaatc aaacgacata acttttgact c 401

<210> 8152
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 8152

ttagcttcag atgatgcaga tgggtttgta gctacctcat gcaactctct aatgtttatg 60
 gcatcatttc tggcgctaaa ctgctgggag ttggaagcca ttttctcaat taaatttctg 120

gcttgagcag gagtcatgtc tccaagggct ccaccactgg cagcatctat catacttctc 180
tccatattac tgagtccttc ataaaaatat tggagaagaa gttgctctga aatctgatgg 240
tgggggcaac tggcacatag tttcttaa atctctcagt actcatatag gctctctcca 300
ctgagttttc taatacctga gatatccttc ctgatggctg tggtcctaga agcagggaaa 360
tttttttcta agaatactct cttaaagtca tcccagctcg tgat 404

<210> 8153
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8153

agcttggAAC aattgattac tgtgtgtatt ttntcctcgn cagataactt gagcttataa 60
gcaacaggac caattctttc aataacttgg aatgggccat agaatcgttt ggcaagtttg 120
gcggaagctg atgaagttcc cttggtagaa gactgtcgat agggtcgtaa ccggagaaga 180
acccaatcgc ccacctgata attcacctcc tgacgcttgt gatcagcttg cttcttcac 240
tggctcttggtg ccttttagtaa tttcttgcca atggtttgaa aagtagcgtc tctatcagtt 300
aacaagtcct caacagcttc aatggttgac gtg 333

<210> 8154
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8154

ntccctcttt gaacaaatac cctcagcca aatagaattc atcttgggcc tttttcccaa 60
aactctcgta aatgggagag aaatgttcat cttaaagcata caagtcccta atgttaccaa 120
atcctaaagt ttgagtcctt agggagcaaa acaatgtgtg tctcctagag agggcatcaa 180
ctaccatatt ttcttttccc tttttgtatt tgataacata tggaaattgc tctatgtact 240
ctaccatttt tgcatgcctt ttgtttaact tgctttgcc tctaattgtac ataagtgagt 300
gatgatcact atgaatgaca aattccttgg aaacaaggta atgttcccaa gttcggaggg 360
ctcttat 367

<210> 8155
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 8155

aagctccttc aactgcacaa ggctcttaat atttgattat ttccttgtgg aaccttcacc 60
 cgtcgaagac actgacaaaa acttatcttc tcctttttgg aaaaagtatg acaagctggg 120
 ggcaagtaaa ttttcttccc atcagacctt ggatgcaact gtgatcgtat ccccatctca 180
 gctagatctt gacgggtatt caagccattc ttcaccttgc cttgaatgtt aaagagcatt 240
 ccaatcacac tgtcacatac atttttctcc acatgcataa catcaataca atgtctaata 300
 tctatatcag accagtacaa aagatcaaag aaaatggacc tcttcttcca tatgcaagtc 360
 ttacttttat cctttgtttg gggttttcca aatacagtat 400

<210> 8156
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 8156

agctataaac agacattgct tcatcttagt cgccattgac tacttcacca aatgggtcga 60
 agcagcttca tacgctagtg tgactgggag catggagatt agattcatca gaaatgagat 120
 aattttccga tatgggttgc ccaggaaaat tatcacgat aatgccacca atctgaacaa 180
 taagatgatg aagaagatgt gtgaggatta caaaatccaa caccataatt ctatgcctta 240
 taggcctaag atgaatgggt tagttaaggc tgctaataaa aatatcaaga agatagttca 300
 gaagatgact gtgtcataca aggattagca cgagatgctc cccttttcat tgcattggtta 360
 tcgaacttcg gtgcacatg 379

<210> 8157
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8157

tggatatgcy agacatcttg ccgaacaaag tcgggttagt cataactcgc ctgtgctttt 60

tcttccatgc tatatgtagc aaagtcattg atcctatcaa gtttgatgag ctggaaaata 120
atgtcacaaat tatactatgc cagttcgaga tgtattttcc cncctgctttc tttgacatca 180
tgattcactt gattgtgcat gtggaagag aaatcaaag ttgtggtact gtctatctac 240
cgtggatgta cctgggtgag ccatacatga agatcttaaa acggtgtaca aagaatctat 300
a 301

<210> 8158
<211> 410
<212> DNA
<213> Glycine max

<400> 8158

agctttttat tttcagtaga tgaagatgta tctgtggcca cctcatggac tcctctaaga 60
acaataacat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120
ttcctagctt cagcaggggt catatcacca agagctccac cactggcagc atcaatcata 180
ctcctctcca tgttgctaag tccctcatag aaatattgaa gaaggagttg ctgagaaatc 240
tggttgtgag gacagcttgc acacaatttc ttgaatcttt ccaggtactc atacaagctc 300
tctccactaa gttgcctgat gcttgaaatg tcttttctga tggcagtggt cctagatgca 360
aggaagaatt tctccaagaa caccctctta aggtcatccc aactggtaat 410

<210> 8159
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8159

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag gggggggttga attaagatat cccaaactgt ttcccctaata taaaaatcta 120
tttcaacttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt aaaggaagag 240
aaaatgcaaa ctcaagtttta tactgggttcg gccacacctt tgtgcttacg tncagtcccc 300
aagcaacccg cttgagagtt ccactatctt gtaaatacctt ttacagttct aacacac 357

<210> 8160
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 8160

agcttttaggc gaccaacttt gatatcagtt ttgttaaatta agtcacatac gttaactaaa 60
 agatcccaca aatcactatt ttctttaaag tagaaaatcc tttctcaatt tacgttttaa 120
 gcttcattgt atgttaggct gacattgaat tgggtgctcat agaataattaa ttagaatatt 180
 ttaaaaaaat tattatataa atcacgagac attataaaaa aaattatgat taacatagat 240
 tttcatcttt caataaaaat atttagactc taattttttt aatcgatatc cttaaaataa 300
 taatggtgag ttgtatttta ataaaaagat 330

<210> 8161
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8161

tagccctaga aggggatgga ccttttatgt tttggagatg atcaataaca atgcctatag 60
 gttggacctc ccagaagagt atggagtcag caccactttt aacatttctg atttaattcc 120
 ttttgcaggt ggagctgata ttgaggagga ggaactaaca gatttgaggt caaatcctct 180
 tcaaggggaa ggggatgatg caatcctccc taggaaggga ccagtcacta gagccatgag 240
 taagaggctc caagaggctt gggctagagc tgctgaagaa ggccctangg ttctcatgaa 300
 cctcangata gatttctgag cccatgggcc aagggtgggt ccaattatct ttgtacatat 360
 tagactagaa tgtcattata tttggtcctt gtatttangg ctccataatg tatct 415

<210> 8162
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8162

ntacaacaaa tagttgagaa aaaccttaaa accccatttt ttccaactat gcaactaana 60

cattcaaagc tttacaaagt ccataactaat gtctacctaa ggtgtagatg ggatgggtaa 120
 ggggtgtgtat agcccatgag gcatcacccct aaacttggct tgtaaacaag ccacacacat 180
 agtgcaatgc ttatggacac tnttcttcat atggggccaa taaaactttt ctttgagtaa 240
 gacaagggtc ttgtctatcc caaagtggcc catgagccca cccttatggc tctctntcac 300
 aagtaatttc ctaatggatc cttgnggtat gcaaagcttt ccctctctga acaaataccc 360
 ctcagccaaa tagaatccat ctcgggcctt tttcccaaa ctctcg 406

<210> 8163
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8163

ttgcatgcta nagegccact tgacgcggtg cgccaaattc aaacgctggt gctgttggtg 60
 gccggctata tgaatatgct atgccgtcac gactcaaaac caccgccaat ttatgtactt 120
 gcttatcctt caatcactct ataaccatga taacaaaaat taaagggttat tgagctgttt 180
 aaagatattg attaagaaat ttaaattaca aatatttaaat ttaaatatgt tgcttatact 240
 ttgaaaatat attattttta aattattatt ttaaatttat tcttgattat cttaaatttt 300
 ggttatatct taacttagca gtttattgtc aacgtaataa tctaattatt aacattctgc 360
 actattcttt aatatttaaa ttatttaaaa at 392

<210> 8164
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8164

agcttggttac agtctgatga tatatctatt ctgacctctn tgaatgcagg gaattggaag 60
 tttttagata ctacaaatgg ttctaccgga tttccagaca tcagaaaaat aaatggaaat 120
 tctgtaattg aattagtttag tatgccaca aagataactg gtgtacatta tgtgcagggtg 180
 agttgttgaa ctatatgact agtttcagaa gaaagtcagc tttcacattt gatacagttt 240
 cttatttggt ctcttatatt ttaaaataac accagcttct aatgaagtag cttctaagtt 300

ctctaccttt ttgtatttaa atactatcta cttacaaagg gccctttaag ttagtgaact 360
tccagctctg tcctcttgat atgccgaaga atta 394

<210> 8165
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8165

agctngtagg gttaaagtct cacgattggt acgtgcttat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggttcacgat aacttgccctg tgctttttct 120
tccatgctat gtgtagcaaa gtgattgatc cagtaatggt tgatgagttg gaaaacgaga 180
ccgcaattat actatgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgtcg tggctcctggt tatctacggg 300
ggatgtaccc gggtgagcga tacatgaaga tcttaaaaga gtatacaaag aatctatatc 360
atccgaaagc atctattggt gagaggtaca ttgcagaaga agccattgaa ttttgttcag 420
aatactt 427

<210> 8166
<211> 431
<212> DNA
<213> Glycine max

<400> 8166

agcttcttcc tcgaaccaac tcgccgacat cttcaccttt tgcttgtctc cagtagtttt 60
tcaaggctctc tgcaacaagc tgggaatgat gaataacat tcccagcttg cggggggctc 120
ttagcagcat cacaagagtt agttagaata gttagttagt tagctagtat ggctaggttt 180
ctgttgtaac caactatcaa gcatattcca tcttgataa attctctgct atcattcaat 240
aaagcttcga gatgttattc tgatcatatg atacattcac gttgctcatt tctgctatat 300
ggctgaattt acttctaata tataattaaa attaatactc ccattaattg attaaaataa 360
tcatcaatta cagattgtcg agtttaggta aagattatta aaaatatggc agttgttacc 420
aaattatcaa t 431

<210> 8167
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 8167

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ccttggggaa gcattaggcc tgcattcatc ccatgtgtta tgatgatgcc accaacaaaa 60
cgtgtactaa ttgcccatga tgtctgcaa acatattccc ttaaccatt atcgtctgtg 120
aactgcacaa gcacacattt tgagcaactg catcctcatc aaaaggatta tattaatatt 180
taaaaatata tatatataaa aaaaacagta catcagacct gtgttccaaa ggcacgggca 240
aagttttgcc caagggtatg actgggtcct gcttgtaatg ctttcttgtc acccatcata 300
gcctcaattg tataggctctt acaagcacca gcaaatgttt ccactttaga tattcgacct 360
gtaacaacag gtattgcagc ttgctcataa gcaaatctgg tatagatgtc aatcatctgt 420
atagcctg 428
```

<210> 8168
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8168

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tgtntacccc atgttgagat tgcttacaat agagctgttt atagcaccac taattgttct 60
ccttttgaag ttgtttatgg ttntaaccba ctaactcctc ttgatctttt gcctatgcct 120
aatgtttctg tttttaagca taaagaatgt caagcaaagg cggactatgt gaagaagctt 180
catgagagag tcaaagatca aattgagagg aaaaataaaa gctatgctaa acaagccaac 240
aaaggagaaa agaaggttgt cttctaaccg ggagattgtg tttgggtgca catgaganaa 300
gaaagggttt cggacaaaag gaaatcanag ctcaaccagc gggagatgga ccatttaagt 360
gcttgaaaga ataattgaaa tgc 383
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<210> 8169
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 8169

agcttctaga tgagttatgt ctgcgaatct gacatcctgt gaaaagttat gaccatgtga 60
 atttctcgag cgcttccgtt gtttaatttc aagcgtctcg atattttatg tcttcaaatac 120
 agacatcgga gcgaaatgat atgaccattc gaatttgtcg agagcttccg tttttcaatt 180
 tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gaggtaaagtg ttatgaccat 240
 tcgaatttgt cgagagcttc cgatgctcaa tttcgagcgt ttagatgagt aaggtcaccg 300
 aatcgacat cctgtgaaaa agatatgacc attctgtttt gtcgagagct tccgttgtca 360
 atttcgagcg tc 372

<210> 8170
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 8170
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 accgattacc ttctcaatct gtccaaaatac ccaaaaatgt gagggtgatt gcattgaggt 120
 cgggaaagca gtgtcaaaga cctcaaccag tagcatcttg ctcatccgca aatgaacctg 180
 cccaacttca ctctactcca gaaaaagatg atgacaaaaa tttacagagt aagttaccta 240
 acaatttata tgcagggtgaa tctttcactg gtaattctga tttacagaag cagcatatcc 300
 ctctttcatt cctccaaga gcaattttca acaaaaaaat ggaagaggca gagaaggaga 360
 tcttggaac atttagaaaa gtagagggtg acatacctct gctggatgca ataaagcata 420
 ttccagatat gc 432

<210> 8171
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8171

tgtacgactg tgtctcgtgt atatctagac gctggaaata gattacagag ggtttgatca 60
 aattcacaag acaatcgcta ttgactcgga ggtccgattg agaccgtca tatatctaga 120
 cgctcgttat agataacaga ggctctgatc agactcaaac gacaataact nttgactcgg 180
 gtgtccgatt gaggccgta atatatcgag acgctcgtaa ttgaaaacag aggcactgag 240

ccaattctaa cgacaataac tttttactcg gaggtccgat tgagagctgt aatatataga 300
gacgctcgtc attgaatata gaagctctca gtcaattcta acgacaataa ctttttac 358

<210> 8172
<211> 280
<212> DNA
<213> Glycine max

<400> 8172

agctttgagc aaattcaatt gacaataatt ttgactcgg atgtccgatt gagtcctgta 60
atatatcgag acactcgtaa ttggaaacag aagctctgag caaattccaa cgacaataac 120
ttcttactcg gatgtccgat tgaatcccg aatatatcga gacgctatta atggaagata 180
gcagctctga gcaaattcaa acggcgataa cttttaactc ggggtgtccga ttgagtcccg 240
taatatatgg atacgctcgt aattgaagac agaagctctg 280

<210> 8173
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8173

tatcatcact tattagcctt attagagata ttgattggt ggaccatatg aaacaatggt 60
ttttgtgtat ttaattttcc aacaaatttt ctaactgagt caagatggta ttttatattc 120
caaatttcaa gtaaaataaa aatatttgag cttccaagga tatatgatgg ctcatggctg 180
ccacaaatat ttcattgctta acatctttat acatgaaaat attggttagca cataatggct 240
tgagatctgt taggaacaac caccgtgagc tcatagcagt tgtttatctt taagtaaaca 300
ttgtacttca tgctcttacc ttngctacac agtcaaggag tggactgagc ttgaacaccc 360
taaccttttt cttcttgttg cttttattat ggcacaactg gtagttgtaa tgaagtaaag 420
ttctctttct aatattggta ctct 444

<210> 8174
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 8174

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agctnnggacc cgaaaattta aagaatttat actcattaag aagactcagc tcagccacaa 60
cgttgcaaga ttcagatttg cccttcctac tccttcttca gtattaggcc ttcctgttgg 120
aaaaaacata cttgctaggt ttaatttgga aaagattttc ctgatgttgc tctaatacta 180
tatttaactt atcccgttga ataaaacacc ataaacttta aatacaagaa ttataataat 240
aaagaaaaag agatgtaaaa ctattttata ttaactgtta agcaggggga aagatagcca 300
aggagaggaa gttatgagat catatactcc aatcacgttg gattcagata ttggctactt 360
cgag 364
```

<210> 8175
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 8175

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agcttatacct ctagggatcc ctacatatgt tcattttaat ctccaagcgt gagtaactca 60
tcccttacct ctaagtgacc tcgctgtgac agtttggcag tgatagcaac gtctctagct 120
aagattcctc aagtttttcc tctggttggt ctgcttggtt ttccaagcat tagagtgaac 180
gagaatgaat tacaacttca atttcactgt ctccctgcga ggggaatttc tctttctact 240
aatattattt cgaaaattcc aattgagtga atatgcgaaa atgagttccg aagggtggtat 300
ccaaatttca ggataatcca acggttaagg agtctaggat cgtagtttta ctacaatggg 360
tttggatgta tatgtgaaaa g 381
```

<210> 8176
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 8176

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agcttgcattg atttacatct ccctctttct caagcaaatt cttcttgata tcatcaaaat 60
cttcatgatt tacattctcc ctttttttga tgatgacaac cacctatagg ttaggagcaa 120
caacaaagaa aatatctatt tgcataatgt ttactcccc ttggttttac attgattgct 180
tatatgagac aattgaagat ttcatatttt tcatatataa aaagttatct cataaaacaa 240
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tagatatttt gcaataaact ctcttcaaga gaagaatatt acaataaaga tcatgtagga 300
 atccttatag attttgcaag tgtttggcca aggatttctt ttgagagagc atttgacaat 360
 gaagttcttt tggaatctct ctcatgtct tttgagagga taagacactt ttgtcaag 418

<210> 8177
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 8177

tcagttgcc attggcgtaa atgaggatgt taccgtcttt tatgactctg tggagaggca 60
 ggcagaggat gtaggaaagc tcgttgagcg cgtctttgag aaccacagag atgtcaggct 120
 ccataaaacc gttgggggtgg gaggtagaaa cgatggatat atgtgatctc ttggccatga 180
 atcacatgcc tccccacagg caacgataca gtgtgaagga acaatgtgct ctgaggatgt 240
 tggggtagga accgagggat ggggatatga cctctctacg gacatagtct aattcaggcc 300
 cagagccgtt cactttgatg gat 323

<210> 8178
 <211> 343
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8178

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 aaagatacat ctgataagac ccataattat aacactcccc ctcaagctgg agcatatnaa 120
 ttatatgcac caagcttgga acatataaac tgaattctag gcccccttaa ggacttange 180
 aaaatatatg ctggctgagc atcggaattc atgaattcag agacagtctc tttatacagt 240
 aacttcttcc gaataaagtg acagccaatc tctatgtgct tggttctctc atggaagacc 300
 ggatntgaag caatatgcag agcagccaga ttatcacaat aca 343

<210> 8179
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 8179

agcttctcag atctgggtcat ggaaagactt gtcaactgcc ttcattagga agtaccaata 60
caacacggat atggctcctg atcggaacca acttcagagc atgaccaaac gggaacatga 120
gtccattaaa gaatatgtc aaaggtggag agacctagct gtccaagtca tcccacctat 180
gacggacagg gaaatgatca caattatgat aaatacgttg cctacgttct actacgagaa 240
gctgatagga tatatgccgg ctaactttgc aaacctcgtc tttgccggag aaagaatc 298

<210> 8180

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8180

tgagcacctt tttcctcact tcttccttca ttgatgggtt gagccttctc tacggttgta 60
tgattggtct atagtctcct tccatcattt tcttgtgcat gtagttggca gggctgattc 120
ctttaagatc taatatgtgc caccgaattg ctccatgtg tcccttgagg acctttacca 180
acctattctc ttcctctgct gttagctcac tgtgatcacc acaggcttgg tctcgctctc 240
ctccaagaac acatacttca ggtgggtggg taggatcttc aactccacct tgggtcttctc 300
ggatggactc ccactttnta attcttcaaa gctgggtccc cttgcacgaa tgttttcttc 360
atgatctaag tctttcaaga aagtgtcag atcctttttc tcttcaatat gtagatgatc 420
cacaacatng atcaaaactt tct 443

<210> 8181

<211> 449

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8181

tatctgagta atgatgatga gacattagct tttatattgt tgcattgaat gttgcttctc 60
ttacgatcct ccttttttct tctttggcca taactatagc ctgctctttg tcaccgctct 120
gcactctcca cttcacacac tctgtttcct tacaaacact ttgcatccta tcaattatat 180
cgcttttaaa atatattgaa taaaaaatat gcttaatttt gttctaaaat ataataacag 240

atacatccct tttcatgata taagaagatt tatatgaaat tntatttaaa agtttaatct 300
 ctgtaaaaaa cattatatca ttaatcaatc atgaatctta attgtcagca taacttataa 360
 aataattatt ataaaactta ataatttggt ttcagtgtat ttattataaa aaataataaa 420
 tgtatcatat atgataaatt tatgattaa 449

<210> 8182
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 8182

tagtcctttc atgaaaaact gggtttgagg caatatgaag agcagtctga ttatcacaat 60
 acaactttat tggcgactct tcacaaaacc ttcaattcct acaaaaactg ttaattcaca 120
 tgagctcaca agtaaccata cacatagatc gatattcagc ttctgcattg gaccgagcga 180
 ccatagtctg tttcttgctt tttccaagaa aaagatttcc ttcaatgaag acaccatatt 240
 ctgatgtaga ccttctatcc atgggacaac caccocaatc agcatcacia tattccgata 300
 gttgtgtatt accc 314

<210> 8183
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8183

nggtgacctt tcacactata tccactcaaa ttcccattat ctggaaagtc attaatggtg 60
 caaaatatca tcgcatgcaa cctaaaagtc tcaccctgat ttgcatcata cacatcaacc 120
 ccgtctacct aaaacttacg catgtcttca atcaaaggag taaggtagat atcaatatcg 180
 tttactggct gtcttggacg tgatatcatc atagacaaca taatgtattt gcgcttcatt 240
 cataacgaag gaggaagggt gtaaattcatt agcaacacac gccatgaaat gtgattagt 300
 gacaagttac caaatggatt catgccatcc gaagaaagac caagtcgaag gtttcttggt 360
 tcggctccaa attcaagata caagtgatca a 391

<210> 8184
 <211> 463

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8184

ggtcgcanat ntaattacag aagcaggtgc aaatcgtgta cttgcttggtg acctccattc 60
tgggcagtcct atgggctatt ttgatattcc agttgatcat gtgtatggac aggtaacaga 120
tgattatgcc atattgtcat tacaatataa tagcatggaa gaaaaaaaaac atttaatatc 180
ttaaactcaa acaaacaaac atgccttggg tatgtttgat atttgaatt gatagttact 240
ccaataattt gtttaattcat tgtattgatg catctctagt ttgaattgaa atgaagtgc 300
aaccttctag tgacatgcc aatttactgt tagtaggtat ataattattt aaatttccaa 360
tttctgttgt aaagaaactt caaatctagt attgtttaga tgtgctaaaa tcttctattg 420
ttnttttttc ctggttcagt cactcgtgga ctctaattgt ttg 463

<210> 8185
<211> 345
<212> DNA
<213> Glycine max

<400> 8185

atgtgctatt ccaagttcat taatcatacc ttttagccag attgattcct tcaactcctc 60
aactagggcc atgtattctg ctttagttgg ggacaagacc acaacctaat tgttgatttg 120
ctttcaaact gattgttgta ccaaacaaag taaacacata tcctgttaag gacttccttg 180
tgtctacatt tactacaaaa tctgcatcta cataacctgt gactgctgcc ttgtgtgctg 240
tcttcttgta ccttaaacca gctttcaaag atccatttag ataccttaat ggccacttca 300
cagccttcta atgtgcgctg tccggatctt ccatgaatct actta 345

<210> 8186
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8186

agcttatcct ctagggatcc ctttatatgt tcattttaat ctccaagcgt gagtaactca 60
tcccttacct ctaagtgcac tcgcgtgtgc agtttggcag tgatagcaac gtctctagct 120

aagattcctc aagtttttcc tctggttggt ctgcttggtt ttccaagcat tagagtgaag 180
gagaatgaat tanaacttca atttctactgt ctcttgcgga ggggaatttc tctttctact 240
aatattatth cgaaaattcc aattgagtga atatgcgaaa atgagttccg aaggtggtat 300
ccaaatttca ggataatcca acggttaagg agtctatgat cgtagtttta ctacaatgg 359

<210> 8187
<211> 346
<212> DNA
<213> Glycine max

<400> 8187

gctgaaatga acacgaagct ctcaaaaaat ctagtgggcc taaattttca cacaaatgtc 60
ccatatcggg aaataatata tcgagacccc cgaaattgaa caaccggaac ctctcgagaa 120
atttgaatgg gcataacatt tctctcgat gttcgatccg gggacataaa ttatcgagac 180
cctccaaatt gaacaaccga aactctcgac aaattagaat ggtcctaact tttcacgcga 240
atgtcgattc ggggacataa ctcatctaga gctcaaattg aacaaccgaa gctttcgaga 300
aatttgatgg tcataagttt cacacggatg tccgattcgg gaacat 346

<210> 8188
<211> 353
<212> DNA
<213> Glycine max

<400> 8188

agctgggatg tctactagtt ttgtcaggaa tatatatata tatatatata tatatagcat 60
gttgagagac aaatgtgggg aaaagttatg ctggttcttg aagaatccat gccatatgga 120
tgctacagag tgaaagggaac ttgttttagt gtagagagat gaagaaagtt ctacgttaat 180
ttggaatatg atttggtggt tggaaggaga accgtaaaag aggggtgcaag agttttccaa 240
cgtgttccag aggcttcatg tgttactttg tcaacatatt ggtcatattc atcggactac 300
agcttttctc ttttaagtaat gttttgggca atttcacact aagttgggat taa 353

<210> 8189
<211> 318
<212> DNA
<213> Glycine max

<400> 8189

tcagagatgg ttttgaagtt tcttctgcca tcttttgcca cggtgacatt aggtgtgggt 60
ttctcatttg gaccgattaa ctcagcaagg ccggcccaaa caggaactgg accaaccat 120
gcaagaatgg agcctgcagc ccaaaaaaga actgggcccag gaacaacacc aggagcaaga 180
gcagcacctg cagtattagg agaaacacca ggagcagaag caacacctgt agtagtagga 240
gcaacaccag gagcagaagc agaaccaaaa gaagaagaac cagaaccaa tatagacca 300
aaaccagcac caacagca 318

<210> 8190

<211> 332

<212> DNA

<213> Glycine max

<400> 8190

tctcgatata tgattcgctt gaatcgaact ttcgtttcaa aatttatgac catatgaatt 60
tctcgagact attcggtata caaattcgag cgtctcgatt tattatgtgc ctcaatcgga 120
cctccgtgta ataagttatg accatttgag tttctcgaga agcttcgctg ttcaatttca 180
atcttctcga tatactatgc gcctgaatcg gactcttggt ggaacagtta tgaccatatg 240
aatttctcga gagcattcgg tgggtcaatta aaagcgtctc gatattttat gcgcctaata 300
cagaccttcg tgtcacaagt tatgaccatt tg 332

<210> 8191

<211> 350

<212> DNA

<213> Glycine max

<400> 8191

agcttctcgt tatattatgt gtttgaatcg gacttcggtt tgaaaaatta ttaccatttg 60
aatttctcga gagctttggc tgttcagttt cgagtgtctc gatatattat gcgcctgaat 120
cggacttttg tgtgacaagt tatgaacatt tgaatttctc gagacctttc ggttttcaat 180
taagatcgtc tcgatatgtg atgcgccaga atcggacttc cgtgtgacaa gttttgacca 240
ttggaattta ttcgagacct tccgatcttc aatttcgagg gtctcgatat attatgtgcc 300
tgaatcggac tttcgtgtga caagttatga acattggatt ttctcgagac 350

<210> 8192
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8192

tcttagtttc agatgatgca gatgggtttg tatctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg aattggaagc catcttctca attaaatttc 120
 tggcttcagc aagagtcatg tctccaaagg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat gttggagaag aagctgttct gaaatctgat 240
 ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aagctctctc 300
 cactgagttg tctaatacct gagatatctt tcttgatggc tgtggtcctg gaagcagggg 360
 aaaaattttc taagaatact ctct 384

<210> 8193
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 8193

agcttaacat tgtaccactt tttggtgctg gaactacttc acatggactt gatggggcct 60
 atgcaagttg aaagccttgg aggaaaaagg tatgcctatg ttgttgtgga tgatttctcc 120
 agatttacct ggggtcaactt tatcagagag aaatcagaca cctttgaagt attcaaggag 180
 ttgagtctaa gacttcaaag agaaaaagac tgtgtcatca aaagaattag gaatgaccat 240
 ggctgagagt ttgaaaacag cagtttactg aattctgcac atttgaaagc attactcatg 300
 agttttttgc atccatttaa ccacaataaa atgtgttttt tg 342

<210> 8194
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 8194

agctttctgg tgtacctgaa gatgctatta ggctcagcct gttttcattt tctttatttg 60
 gggagggcaa gagatgggtg cattcattca agggcaacgg tttaaagact tgggatgaag 120

ttgttgagaa gtttctaaaa aaatatttcc tatagtctaa aactgcatag cgaaaagcta 180
 taatttcttc attccatcag tttcccgatg aatctttgag tgaggcatta gaaagatttt 240
 gtagcttgct gcggaaaact ccactcatg gtttttcaga gcctataaag ctgaacatct 300
 tcattgatgg gttatggccg cagtcaaagt atttactga tgcttctg 348

<210> 8195
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 8195

ttggagtttc caagtgccaa ttcgtcttct tctttagtcc tttcctcttc tggcttcaat 60
 tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180
 tcatagttgg ttccatccag aattggtggt ctgttcaactg gtcctccttc tttctccatg 240
 ttcatcaaaa tttatctccc taggtctcac tcagtgattt cgagtgcccg ctctgatacc 300
 aattgaaatt ctgataccaa tgccagatgt cgtacaggat gtcacgacat cagccttcag 360
 aacatgcaga atatctctga gtgtatgaa 389

<210> 8196
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 8196

tctacagaag gtttgttctt aatttctcta ctcttgcttc acctcatcct actaagagga 60
 aatgcaagct tagtcccaga ggtgatggac ctttttaggt cttggagatg atcaataaca 120
 atacatatag gttggacctc tcagaagagc ttggagtcaa caccactttt aacatttctg 180
 atataatttc cttttgtatg tggagctgat actaacgagg aggaaccaac agatttgaag 240
 tcaaatcctc ttcaaggggg aggcgatgat gcaattctac ctacgaaagg accaatcact 300
 aaagcaatga tctaaacgat ctaaaatgat tgggctaaac tgctgaagag ggccctaggt 360
 ctcatg 366

<210> 8197
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8197

ttacaaaaat agtttgagaa aaaccttaaa attccatttt ttccaacatg caactaaaac 60
 attcaaagct ttacaaagtc cataactaatg tctacctaag gtgtaaatgg gatgggtaaa 120
 ggtgtgtata gcccatgagg catcacccta aacttggctt gtaaacaagc cacacacata 180
 gtgcaatgct tatggacact tttcttcata tggggccaat aaaacttttc tttgagtaag 240
 acaaggggtct tgtctatccc aaagtggccc atgagcccac ccttatggct ctctntcaca 300
 agtaatttcc taatggatcc tttgggtatg caaaactttc cctctttgaa caaatacccc 360
 tcagccaaat aaaatcatc 379

<210> 8198
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 8198

tgcaatatat ttgcaacctt ttcgatgcca tttaacgtta tcaatggacc ggaaacaaca 60
 tcgcgtgtta ctaaattcct catgtaaggc cctgcatgat cccacaaata tcgcgcttct 120
 tatatccctc tcctcttaaa aaatgaacct gctgacaaaa aaaatattta agtattttta 180
 cccctttaat actatccttc ccattggata gtaccagaaa tctttattga actcacgcaa 240
 tttgacacaa aaagacactg tcattctcat 270

<210> 8199
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 8199

tgcatgattt acatctcccc ctttctcaag cttattcttc ttgatatcat caaatcttc 60
 atgatcccgat ctcgttggtg gaggatgcat gaatgacaat caattcatgg ggctccgaat 120
 aaaagtggat aatggaggat atgcgaagag cgctaggcaa tcaattcgcg gttctcccgat 180

ctcgttggtg gaggatgaat gaatgacaat caactcctgg ggctccgaat aaaagtggaa 240
aatggaggat acgagaatag cgctaggcaa tcaattcgcg gggctgcaga ctcgatggtg 300
gaggatgcaa gaatgacaat caacttatag ggctacgaat aaa 343

<210> 8200
<211> 360
<212> DNA
<213> Glycine max

<400> 8200

tgtcatttca tctccgctct ttgttttagtg gtatctgagc aaatcagcca acttggacct 60
gttctgacta tcctcgtgga tacccaactt caaattcttc gaaaaagcat cataaaactt 120
gttgtaatct tccttggttct ccgcaatttc attgaacatc tcaatgcact tcttcacgag 180
attcttcctg atcaccttca ggatcttggt ttgggtgcagc atctcacgaa agatgttgag 240
cggcaagtca tcggagtcaa caacaccttt cacaaatcca aggtactcag gaatgagctc 300
ctcacaattg tccattataa acacccttct gacataaagc ttgatgttga tcatcttctt 360

<210> 8201
<211> 349
<212> DNA
<213> Glycine max

<400> 8201

cctgctagca tgcaagctct ggagttttca agtgccatat tcgtcctctt ctttagacca 60
gtcttcttct ggcttcaatt catcagtggg ctttccttct gtgtccagca tcttgggatg 120
ttcccagcct ttgatgacag ctttccaggt tctgctatcc agtgatttga ggaaggccac 180
cattcttgct ttccagtatt catagtgtgt tccatcaaaa attgggtggtc tgttctactga 240
gcctccttct ttctccatgt tcatcagaat ttatctcccc agatcttact ctgtgatttc 300
gagtgttggc tctgatacca attgaaattc tgataccagg ggacagatg 349

<210> 8202
<211> 173
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8202

ttcacacgga ggtctgattc angcacatca tatatcgaga ctctcaaaat tgaacaatgg 60
aagctctcga tatattaaaa attgtcataa acttttactc gaatggcccc attcagggcc 120
catcagatat cgagacgctc gaatttgaac aacggaaccc ctcgagaaat tca 173

<210> 8203
<211> 297
<212> DNA
<213> Glycine max

<400> 8203

tcagctgata attccctctt tctctgtttc aatgataagt catttactgc acttttggtg 60
tatgttgatg atataattct aacaggggaat gatataatgg ctatcaatcg tattaccata 120
tttatggacc aaaccttcaa gattaaagat cttggcactt taaaattttt ccttggcatg 180
gaggttgctc gttcccagca ggcattccatc tatgtcaaag aaatatggtc tagatattct 240
ctctgattct ggaatgcttg cttgccgtcc agcttaacac ctatggattg gactact 297

<210> 8204
<211> 361
<212> DNA
<213> Glycine max

<400> 8204

tatacccatg agtattattt ttatgatcct cataactggg agattgagaa acatagactt 60
cctcttcaat gtattctttt aaaaaagcac tcttcacatc catttggtac agttttaaatt 120
ccataataca atcaaatgca agcaataatc tcacaacttc taatctagct attggagcat 180
aagtttcacc aaaatctatg tgctcttggt gggtataaacc ttttgctact agccttgatt 240
tattcctagt tatcaagcca tgttcatcta gcatatTTTTT gaaaacccat tttataccct 300
ataatatttg gcttactagg cataaagtag tagttcccaa acttcatttc ttttaaattg 360
a 361

<210> 8205
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 8205

ntgaactttc gtatccttct ggacttttagc tttcattcca atcagtttat tttggaaaat 60
attcatttat ttttaattaa tttctaacat ttttagatat tacttatnt aattaaaact 120
tcctagttaa gttcttggaa atgtatatta caagtgtatg taaatcaata aattgatgac 180
attatttcac ctaatcattc atttcacatt ccaatttata tatgtaactg catttgaata 240
ttaaaaacta ataatttaat gatttataat aatt 274

<210> 8206

<211> 355

<212> DNA

<213> Glycine max

<400> 8206

agctttgaat ctccatacat ggtttgcaca tgctgtgtga tgcaatccta ccacgcaagg 60
gcattggata gaagactcca agtagattgg gctagagatg caagagaagg ccctaagggtt 120
ctcatgagcc ttagggcaga tttcgggcct atgggctaag tatgagccca cttatcttag 180
tacatattag attaagggtt cattatcttt tgggccttgt atttagggct ccataatgta 240
ggtaaggtag cctagaaatg taggattttt caaccattgt attttagggc acctagacta 300
gtttttgtat taggggtagt tttataattt catatgcatt aagtgaatat ttgat 355

<210> 8207

<211> 286

<212> DNA

<213> Glycine max

<400> 8207

tcaacatcag accactttca gtgtgctgga actacatcac atggatttga tggggcctat 60
gcaggttgaa agccttggag gaaagaggta tgcctatgtt ggtgtggatg atttctccag 120
atatacttg gtcaacttta tcagagagaa atcagacacc tctgctactg tcaagcactt 180
ccacatcttt ggaagtccat gttacatttt ggcagataga gagcaaagga gaaagaagga 240
tcccaagagt gatgcacgaa tattcatggg atactcttca aacagc 286

<210> 8208

<211> 351

<212> DNA

<213> Glycine max

<400> 8208

agctttgagc ttattcaacc gactataacc ttttactcgg atgtctgatt gagtcccgtg 60
atatatagag aagctcgaaa ttgaatgttg aacctctgat ccaattcaaa ggacaataac 120
tttttactcg gatgtctgat tgagttccgt catatatcga gacgctcgaa cttgaatggt 180
gaagctctga gcaaattcaa acgacaataa atttttactc ggatgtccga ttcagtgcgc 240
taatatatcg agacgctcaa aattgaatgt tgaacctatg agccaattca aacgacaata 300
actttttact cggatgtctg attgagttcc gtcatatatc gagacgctcg a 351

<210> 8209

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8209

ctaagctggt tgggttaacca aacttttagca atataaaaag tttatgttac acgggactga 60
agtgtcccaa attgcaaact gataaaagac aagaaatddd gtttgcaggt acttactcct 120
tcgtactccc tccaaggaag cttcccatg aacatttcta taattgtaca acccaaactc 180
caaatatcaa caacaaaagc aagggtcaaag ctgttatcct tttgcacaac cgcttgaaaa 240
agctacatgt atgtggaata agtgtttata gagaatgcat gagacatcat gaagtaaaat 300
agagttataa acttaggggtg ctcanngttt tgggtgaagcc aatdddttggt gtctgtgcc 360
acta 364

<210> 8210

<211> 350

<212> DNA

<213> Glycine max

<400> 8210

agcttggtgtg gctctatcca tatttgaagc agagtatatc gctgctgggtg gttgttgtgc 60
tcatatcttt tggatgaaac aacaactaga agattttggt atcttccttg atcacattcc 120
tttgatatgt gacaacacaa gtgcaataaa cttgaccaa aatcttgtca tgcattctag 180
aactaagcct ataaaaataa gacatcattt cattagatat catgtgctta aaggagattg 240

tggttatagta tttgtagata caaccaacca actagttgac atctttacaa aacccttgtc 300
tagggataga tttataaaat aggacatcat ttcattatat atcatgtgct 350

<210> 8211
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8211

ttggagtttc caagtgccaa ttcgtcttct tctttagtc agtcttcttc tggcttcaat 60
tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
gctntccagg ttctgctatc cagtgatttg aggaaggcca ccatccttgc tttccagtat 180
tcatagttgg ttccatctaa gattggtggt ctgttactg gtccctcttc tttctccatg 240
ttcatcagaa tttatctccc tagatctcac tctgtgattt cgaatgttgg ctctgatacc 300
aaatgaaatt ctgataccag gggacagatg tcgtaccga tgct 344

<210> 8212
<211> 286
<212> DNA
<213> Glycine max

<400> 8212

tgagcacctc ttttcttacc tcttccttca ttgttgggtt tatccgcctc tgaggttgct 60
ggactggcct gtaatcgtct tccatcatta tcctgtgcat gcagtaagca gggctgattc 120
ccttgagatt cgatatgttc catccaatta ctctcttggt tttcttcaga atgtctacca 180
acttgttctc ttcttctctc gcaagtgcac ggctgattac tacagtttta gtgtcatctt 240
cctctaggaa cacatacttc agatgattgg gcaatatctt caactc 286

<210> 8213
<211> 355
<212> DNA
<213> Glycine max

<400> 8213

agcttcttgt tggtactatg atttttcaat atttcttccc tccctcttct atctggtaat 60

ccaacagtga cctattggaa caattacaaa ttgtcatgtc ttataatttt gttgaatttt 120
tagtaactac taactagctt aaaagtcata cctaccaact gattgatcga tcgtgcaaaa 180
agttttatac tactagcata ttataataaa attcattgtc ttatacgta aaatttggtt 240
atttttatag taattacttt aaaagctata ttataataa attctgatgg gttaatgatt 300
tacaatagca atgcatggaa attaaactga taaataataa ttatataggc attaa 355

<210> 8214
<211> 356
<212> DNA
<213> Glycine max

<400> 8214

agcttgtcca atgctttccc atattaacct ttctgatgtc gcacataaga cggagtcacc 60
ccgtaaaaaa ccggccaaac caagcgaccc ttcttcatta tgcactcaag gatcatgaca 120
agctcttcaa gacagtaagt tgaggaagca tagttttcag agaaaacaac aatggcaatt 180
cttgactgct gaattgcctt gaaaagagca tgtctaactc cttccctct tctgagcccc 240
tcatcatcca tgaagggtgtg gattccctgg tcacaaagag acttgtaaag gcttccagtg 300
aaaccacttc gagtatcatc gcctctgaaa ctgaggaaca catcataagt ccactc 356

<210> 8215
<211> 350
<212> DNA
<213> Glycine max

<400> 8215

agcttgtggt tttctcacag atttgacatg catgatgcc tttcactg tatccactta 60
aatttccata tgctggaaaa tcattaatag taaaaaacac cattgtgctg aacctgaacg 120
tctgtgcac atttgcattc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180
cgattaatgg cgtaagatac acatcaatat cattccctgg ctgccttgga cccgcgatca 240
tcatacacia gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300
tcagtaaaac aggccacgaa ctgtggttgc tgcttaagct accataagga 350

<210> 8216
<211> 321
<212> DNA

<213> Glycine max

<400> 8216

tcttagtttc agatgatgca gatggggttg tttctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
tggtttcagc aagagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt acagagtcct tcataaaaat attggagaag aagctattct gaaatctgat 240
ggtggggggca actggcacat agtctcttaa atctctccca gtactcatac aagctctctt 300
cactaagttg tctaatacct g 321

<210> 8217

<211> 361

<212> DNA

<213> Glycine max

<400> 8217

agcttgcata gatgttttca tttgtttggc accttccatc ttgaacttct ttagaagttc 60
ttagtatat tttgggtgtt gattatatac acctatgttg tcttacttga tctaaaaccc 120
cataaagaac ttaagttctc ctatcatgct catttcaaac tcacttttca ttagttaaga 180
gaaatccttg ctcatagatt cattagtagc tccaaagata atatcatcta cacaaatttg 240
aactatgatg aaattctttc caacttctct cttaaaaaga gttatattca tgaggtgcct 300
attcagacca tacataacct ttttcagttt aaaaacatgg tctagaaggg tgtgtcttca 360
a 361

<210> 8218

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8218

tgccttgccc cttgatatat ttgagggact catggtcact atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtta agaccactta acttttcact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atTTTTgaaa gTTtgGcaac gcaagTatgg gggcattagT tagctTTTTgc ttaagaacat 300
 tganagcttc tTcttgTttc tctcccccatt tgaAACcaac atTTTTcttg agcac 355

<210> 8219
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 8219

agctttatgc aagTcaattt tatgtggcat cTcagagagg atctTTTTctg ggcataTTtg 60
 cgcaaaatct cttgaactag gaagatgctg tccatcatct tTctgttctt aatgaaagca 120
 gTTtgagttt ccccaataat agTctcaagc aactggggct atgcggTTtg ccagaatttt 180
 agacacaatc tTgtataaca aattacaaca agatattgggt cTaaaatggT taacctagga 240
 ggtctgatca tGcttaagaa taagcgccat 270

<210> 8220
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 8220

agtatggaga tacttgcact atatagggct ccaatatgaa tTctgactg caagatgaaa 60
 atgggatgtt ataatttgca cTTTTcatt taatcatttt actTTTTgca gattatcgca 120
 gagagcttat ctgaagaaga aatagctggc tTaaaagaaa tGttcaagat gatagatgca 180
 gacaacagtg gtcaaatcac tTtagaagaa cTTtaaactg tGttgaaaag agtggctgct 240
 tatcttaagg agtctgaaat ttt 263

<210> 8221
 <211> 224
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8221

cctgcatgca tgcaagctta tGtccgcaga gggatacttc ntatagaagc agctgaatca 60
 tTTcttctct acaactcgtc aaaacttgat gTTTTaagc aacatttctt gttactggaa 120

aagatttcaa ggataggtat cttcgaaaac cttatgtatt cgtggaagag agacagaaag 180
 tccactgtct aaatactctt ttttctaacg gttgcctttt cttt 224

<210> 8222
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8222

agcttctcta tatgngangc ttattttcgg ncatccgaga naaaanggag gaccatttga 60
 ttttctcaag cggtttcttt tctcaatttc gagcgtctcg atatattatg cacctgaatc 120
 tgacctccga gagaaaagtt atgaccattc gaattgctca agagcttcca ttgttcaatt 180
 tcgagcgtgg cgatatatta tgcgcctgaa tcggacctcc gagttaaaag ttatgacctt 240
 cgaatttctc gatagcttcc ggttttaaat ttcgatcgtc tcgacatatt atgcgcccga 300
 atcggccatc cgtgagaaaa ggtatgacca tttgaatttc tcgaggcctc tcggtattca 360
 atttcg 366

<210> 8223
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8223

agcttgtaac aaatctttac acttggtttg atacatgcag nccttctgga cccttaccgg 60
 ccacttcggc gtcattggga gactcaagaa gcccaacagg tttaaccttt tgaatgtagt 120
 ctgaacaaaa ttcaatggct tattctgcaa tgtaccttcc aacaatagat gcttccggac 180
 gatgtaaatt ctttgtatac ccttttaaga tcttcatgta tcgctcaacc gggatcatcc 240
 accacaaata aacaggacca caacatttga tttctctgac cagatgaaca attaagtga 300
 tcatgatgtc aaagaaagca ggaggaaaat acatctccaa atggcatagt ataattgcgg 360
 cctcatttt 369

<210> 8224
 <211> 218
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8224

tccggcgcaa aaggnatgac catatgaatt tctccaccgg attccggggg acaaggtatg 60
accatttgaa tttctcggta gcaaccgttg ttcaaaatcc agcgggtcga caaaatatgc 120
gcccgaagcg gaccaccggg ggacaaggta tgaccatttg aagttgtcga gagcatccgg 180
ccgtagattt cgagccgctc gatatattat gcgccccg 218

<210> 8225

<211> 266

<212> DNA

<213> Glycine max

<400> 8225

agcttcccgc caatggtatt ttaagtttat atgataccat tgtttccttt ggatttaagg 60
aaaatactgt tgatcagtgc atatatccga agattagtgg gagtaagggt atttttctaa 120
tcctgtatgt ttatgatata ttgctgcaat taatgatctt ggtcttctcc atgagactaa 180
gaaatttctc tctagcaact ttgagggtgaa agatatggga gaggtaagct atgcgatagg 240
gatagaaata ttctgtaata gatcac 266

<210> 8226

<211> 320

<212> DNA

<213> Glycine max

<400> 8226

agcttataat atattgatat ttctaattatt aaacattgga agctctcgag aaattcaa 60
ggtcataact tttcacacgg atgtccgatt cgggcaaata acatatcgag acgtcataa 120
ctaaacaacg gaagctatag agaaattcta atgggtcaaaa cttttcacac ggatggccga 180
ttcaagcgaa ttacatatcg agaggctcaa aattgaacaa cagaagcttt cgagaaattc 240
aaatgggtcat aacattttaac tcgaatgtcc aatttaggcg cattacatat agtgacactc 300
gaaattgaca acggaagctc 320

<210> 8227

<211> 370

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8227

agcttgaagg caaactggat tttttgttaa cttnngaacc aagctggcct tgaatcagaa 60
 atttgtacct gtcgcaaggg tttgggggttt gtgcttctct gctgaccacc atacagacct 120
 ttgcccttcc atgcagcaac ctggagcaat tgagcagcct gaagcttatg ctgcaaatat 180
 ttacaataga cctcctcaac ctgagcagca aaatcaacca caacaaaaca attatgacct 240
 ctccagcaac agatacaacc ctggatggag gaatcacctt aatctcagat ggtccagccc 300
 tcagcaacaa caacagcagc ctactccttc cttccaaaat gttgttggcc caagcagacc 360
 atacattcct 370

<210> 8228
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8228

acgccgggat ctttaagcacc tgcagcatgc aagcttgagc aaatcaacta gtaactttat 60
 atncggatgg gcgaaagagn cccggaatat atcgagaggc tccaaattga aaacggaagc 120
 tcatatcaaa ttcaaaggac aataactttt tactcggatg tccaatagag tcccgtata 180
 tatcgaaaca ctccaaattg aaaatggaag ctcgatatcaa attcaaacga caataacttt 240
 ttactcagat ctccaataga gtcccgtaat atatcacgac gtcctcaaatt gaaattggaa 300
 gtcgtatca aattcaaacy acatttactt ttaacttggg tgtcccgatg agaccgtaa 360
 tatatcgcca cgctccaaat tgaaagcaga agctctaa 398

<210> 8229
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8229

agcttcacat aggcaagn gn tnncttctta attccaaatc atagatatgt cataaattga 60

ttttgcaggt catttcccat caaatcaagg ataatatgca taatcatcat ggatcaataa 120
 gactttctaa agtcagactt cgtaggaaat tggtttttgg tgcctctggcc tttccctctt 180
 ctcttaccct ttgttttgtg aagaatagga gagtacacc aaagatttgg ttagtaactt 240
 aaatgggcga tcacttccta tcccttcatg tcttaaccaa gttactatta cccctctctt 300
 ttttctctt ttgacaactc tgtacatgga acacccttg 340

<210> 8230
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8230

agctagaagc gattcacatt attgtaatcg annaccagag cagaggngca gaaaatatta 60
 tcaanagcca catcttttta tgtgggtctt gaatggctat caaaagccta tataaatgtg 120
 actcgagaca cgaatttgct aagagttctt tagaacaaaa aggtcttctc ctcttaaaaa 180
 gtaaaatcat tttatcctct tacaatttcc ttggccaaat tacttgatgat tcaataagga 240
 attatttaaa ttctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttttctt 300
 cttcttcatt ctgaaaaggg attaagagac cgatgggtctc ttattgtgaa agaattctaa 360
 acacaaa 367

<210> 8231
 <211> 358
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8231

agcttgaatc cctctataag tacttatttg ggagcttgnt gagaaaccaa ctgatcaaaa 60
 gattgttggg tgcaagtgga aattcaagaa gaaagatggg gatttgaagt tgaagacaac 120
 ctttctccat ggtggtttgg aggaaagaat ttatatgcaa caatcagagg cgtttgatgt 180
 accaggaaaa taagaccatg tgcgtctata aaagaagtct ttgtatgggt tgaagtatgc 240
 acctaggcaa tgggtataaac gatttgactt gtttacgatt gatattgggt attaagaagt 300
 gagtatgata gttgtgttta taataagaaa ttgcccgaag attcttatat ttacttgc 358

<210> 8232
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8232

agcttcaaga ataatggcct tggcttactt cttattccca taaggaaatt caataaatag 60
 gcctcctatt tttaatggag aaggttacca ctactgggaa acccgatgc aaatcttcat 120
 tgaggcaata gacttaaaca tttgggaagc cataaaagta ggaccttatg taccacccat 180
 ggtggctgga aatgcaacaa tagaaaaacc tagagaagag tggactaaag atgaaagaat 240
 attagtgcag tacaatttaa aggctaaaaa catcattact tctaccctag gaatggatga 300
 atactttagg gtttcacatt gtaagaatga taaggatatg tgggacactc tacaagttac 360
 acatg 365

<210> 8233
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8233

agcttggtat cgattacaca cattttatta tctattacca gaggagattt tcagaaaata 60
 ttgtcaacag tcacatcttt tcatttggnr cttgaatggc catcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt ttcataacaa aaaagggtctt atcttcttaa 180
 aaagcaaaat cgttttatcc tcttaciaat tcttgtcca aaacacttgt gattcaataa 240
 ggaattattt gagtgcctaa attgttcaat ctatctcttt caagagatat ttcttcttct 300
 cttcttcttt attctgaaaa gggattaaga gactgagggt ctcttggtgt aaataaatct 360
 taacac 366

<210> 8234
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8234

tagcttgtga aatcaangga attcatgatt ccgnnngaca caagncgntc aattctattc 60
 ttagaaatgt gacctaagcg tttgtgccat aatgctcctg agtttgtatt atcaattcta 120
 cccttagtac cacgcaattc tgcattaaag gattcaccat aggagaatac agtatcaagt 180
 aaatatagat tatcattaac caagagtga cgggttccaa caatatctga attaaaagac 240
 aacctgaaca cattgtttcc aaatgaatac aaataaccca atttatccaa ataagaaact 300
 gaaaccaa at ttcgtctaaa tgacggtaca ataaaagtgt ctttcaaatac caaataaaaa 360
 ccagtactaa 370

<210> 8235

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8235

agcttcaaga ataatggcct ttcttatctt ttatttccag aaagaaattc aatcaataga 60
 cctccaatct ttaatggaga gggttaccac tactggaaaa cccgaatgca aatttttatt 120
 gaggcaatag acttaaatat ttgggaagcc atagaaatag ggccttatat acccaccaca 180
 gtagaaagaa ccacaataga tgggagcaca acaagtggaa gcacaacaat agaaaaacct 240
 agagatagat ggtctaaaga ggatagaaga cgtgtacaat ataattttaa agccaaaaac 300
 ataattacat ctgccctgng aatggatgaa tatttcaggg tttcaaattg taagagtgtc 360
 acggaaatgt ggg 373

<210> 8236

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8236

agcttgtaat tgattacact aagtctgtaa tcgattacca gagcagattt tcagaaaata 60
 ttctcaacag tcacatcttt ttatgtggnt cttgaatggc tatcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180
 aaagcaaaat cgttttatcc tcttaciaaat tccttggcca aattacttgt gattcaataa 240

ggaattattt gagtgc tcaa attgttcaat ctatctcttt caagagagat ttcttctttt 300

cttcttcttc attctgaaaa gggattaaga gaccgaggggt ctcttggtgt gaaagaat 358

<210> 8237

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8237

aggatttcct tttagtaggg aatctatcct tcctaagatg gcgccaaacc cagtcaccct 60

cgtaagaac tagctctttt cttcctctat tgcctttagt ttaatacacc tttgtttggt 120

tctctatttg gctcttaacc ctcttatgca acttctttac aaactcttac ctagattccc 180

cttncttatg tataaaaaaa gttgtctatg ggaaaggaat taagtcttac cgtggttggg 240

gattgtaccc atttacaacc tcaaaagggg agtggttggt ggatttttaa accccc 296

<210> 8238

<211> 372

<212> DNA

<213> Glycine max

<400> 8238

agcttactgg gcagtgaaga cttgcttctt ctctatggat caagctggtg aggaaagaaa 60

gttgcaactg agtgagttag atgaaatccg cctagaagcc tacgagaacg ccaagttcta 120

caaagaaaag accaagaagt tccatgatag catgatagtt aaaaagact tcgtggttgg 180

gcaaaaagtg ttattgtata attctaggct tggactcatg agtggttaagt tgagggctaa 240

gtggattggt ccttttggtg ttactaatgt ttttccttat ggggacagtg agatcaaaag 300

cgactccaca aacaagagct tcaagggtcaa cagacatcga cttaagccat tcctcacgaa 360

cccttcttta gt 372

<210> 8239

<211> 258

<212> DNA

<213> Glycine max

<400> 8239

tctccacgat tcttgagtac gcgttctcgt gccgcttttc gttcgctgcg atggtcccgc 60

ataggcgcgc cagcactgga tccccgccct ccttcgcgag ccgagccgtg ttcccggtgcg 120
ccacaaatgt tgctcgctct tggaatgacg tgtacacaaa ccccaaatat gggttgttgt 180
ctgcccgaagg gtcctcccca atttagtcta accaaaatcc attattccaa ttccatttta 240
aaagaaaaaa atctttctt 258

<210> 8240
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8240

gcttcatgtc caaaagatat tatatttttag ggtctgaana ttccctgttt ttcttcgcac 60
ttacaatctc aagtaaaatc actccatagc taaagacatc tgatttcaca gagaattgcc 120
cactcacagc ataccagga ggcatataac cactgaagaa attttatagt aagataatca 180
aaagttgaaa gagtaatata aaaaaatcaa aattggatag aaactaacta agttccggcc 240
actgtatttg tgtttgcctc aacttgatct cccaagaaag atcgagcaag gccaaagtct 300
gatatt 306

<210> 8241
<211> 253
<212> DNA
<213> Glycine max
<400> 8241

tgtgtggagg aacacgctac ataatgagag agccagacat gaacagccca tggttgatac 60
atggactgag atgaaaaaga tcatgacgaa gcggcatgtg ccggctagct actcaatgga 120
cttgaaattc aagctccaaa aactaaccce cagcaacaag ggggctgagg agtatttcaa 180
ggaaatggat gtgctcatga ttcaagctaa tattgaataa gatgaggagg tgactatggc 240
tcgagttctt aat 253

<210> 8242
<211> 329
<212> DNA
<213> Glycine max

<400> 8242

ttctccacta agttgcctga tgcctgaatt ttcttttctg atgggtattgg tcctagatgc 60
agggtagaat ttctccaaga acaccatttt aaggtcatcc catctgacaa tggacctgtg 120
agcaatatta tatccaatct tgtgccactc cctccaaaga atgaggaaaa gccttttaaaa 180
agatatgac ttcttggaca tgaggggggt ttatggtgga acaaacaata tggaactcct 240
taagatgctt atgaggatct tcacctgcta aaccatgaaa ctggggcaac aaatgtttta 300
gttcagtctt gagaacatat ggaacaccc 329

<210> 8243

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8243

gcttcaacat tcaacttcga gcgtctctta tattatacga ctcaattaga catccgagta 60
taaagttatt gtcgggtgaa ttntctcaga acttcaacat tcaatttcga gcgtctcaat 120
atatgacggg actcaatcag acatccgagt aaaaagatat tgtcgtctta attggctcag 180
agcttctaca ttcaatttcg agcgtctcga tatatgacgg gactcaatca cgcacccgag 240
taaaaagtta ttgtcgtttg agttggctca gagcttcaac attcaatttc gagcgtctcg 300
atatatgacg ggactcaatc aggcatccga gtaaaaagtt attgtccgtt gaattggctg 360
agagcttcaa cattcaattt cgagcgtctc gatatatgac gggac 405

<210> 8244

<211> 229

<212> DNA

<213> Glycine max

<400> 8244

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgcggaacc 60
ttcacccgat gaagacactg acaaaaactt atctttgcct tcttggacaa acgatggcag 120
gctgctggga atgaaatctt tttcccatca aaccttggat gcaactgcga tcgtataccc 180
atatcagcta gatcttgatg ggtattcaag ccatccttcg tcttgcctt 229

<210> 8245
 <211> 344
 <212> DNA
 <213> Glycine max

 <400> 8245

 acactctcga acactcaagc ttcgcaagcc agcttccatc aaatctcaac tcatctaata 60
 tcctatacaa aggggtccgta ggagtagaac cctcaccatt aacactagat gaagaacgaa 120
 gactcatggt gggtcttaag ttgtggttct ttcttggtgg ggggttgaaa acaaaaggta 180
 aaagaaacta cggttgaaac tagccaaaat aaacactaaa agaggtgtga aagataaggt 240
 aaaaactaat tggtaaaaag caagttatct aggtgggttg acaatggaag ataaaggaaa 300
 tttaaagcaa gctagatagt ttcctatgtg aaggcttaga tgac 344

<210> 8246
 <211> 234
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8246

 tgtaaggtta aagtctcacg attgtcacgt tctgatgcaa caattgttag tcgtggctat 60
 acgagacatc ttgccaaaca aagtcagggt agcgataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagtnggaaa atgaggccac 180
 aattttactg tgctagttgg agatgtatct tccccctgct tttttgacat catg 234

<210> 8247
 <211> 388
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8247

 gcttggtact tcactagctt cttaccatct ttcttaagct tgaacaccca cttattcttc 60
 aaggcttttc tgccttcgga aactttcaca agcttataag tatcattctt ctggaaggaa 120
 tctatctttt cttacatcac tttccttcaa tagaatttat cttatgaat ttcaactttt 180
 gcaaaacttc ctggctttcc ttcattgatg atgaagatgt actocaaacc atggtacctt 240
 ctagatgact ggtgctctct atttgatctt ctgaacagca actggctttc ttgctcaaca 300

ccttcatcat caccatactt tatagctagc tcatcatcaa ccctaaagtc attatcaaga 360
tctaccnctt ctatggcaat tcttctag 388

<210> 8248
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8248

atacctctct aatagcttaa cttaccccat gacgaaaaac atgaaaattc caaaaaaaaa 60
gtccttacta caaagactac tcaatagaat ggccaaaata caatgccag acgaaagaca 120
aacctattct aatatttaca aagataatcg ggctcactact taacccatgg gcttgaaaac 180
taccctaagg ctcatgagaa cctcaggcc ttcccttgga tctctagccc aatctacttg 240
gagtcttcta cccaatgccc ttgcggggta tgatngcatc acaagtgaat tggttatgac 299

<210> 8249
<211> 304
<212> DNA
<213> Glycine max

<400> 8249

ggactagatg gggcctatgc aagttgaaag ccttggaaga aacatgtatg cctatgttgc 60
tgtggatgat ttctctagat ctacctgggt caactttatc agagaaaaat cagacacctt 120
tgaagtattc aaggagggtga gtctaagact tcaaagagaa aaagactgtg tcatcaagag 180
aatcatgagt gaccatggca gagaatttga aaacagcagg ttactgaat tctgcacatc 240
tgaaggcatc actcatgagt tctctgcagc attacaccac aacagaatgg catagttgag 300
agga 304

<210> 8250
<211> 335
<212> DNA
<213> Glycine max

<400> 8250

agaagatcaa cgacaatgcc tacaagattg acttgccctag tgagtataat gtaagtgcc 60

ctttcaatgt gtctgatcta tctcttttttg atgcagatgg aggagccttg gatttgagga 120
 caaatccttt tcaagaagga gggagtgatg atgacataac caagggcaag gaccatgaag 180
 cacttgaagg tcccatgacc agaggcagac ttaacaagc ccaacacgtc atagagacaa 240
 ggctgggcat ttgtatagct gccattgatg atgattgaag gcccaagtgg agaaagatga 300
 aggcccagag gcagaggcac taccaagact actaa 335

<210> 8251
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8251

agcttgaatc ggacatccgt gtgttaagtt atgaccatnc gaatttctca agagcttccg 60
 tagttcaatt tcgagcttct cgacatatta tgcgcccga tggacatcc gtgtgaaaag 120
 ttatgaccat ttgaatatct cgagagcctt cgatgtttta tttccagctg atcgatatat 180
 tataagcctg aattgcacat ccgtgtgaaa aggtatgacc atttgaattt gcgagagggt 240
 ccgatgttta atttcgagcg tatcgatata ttatacgctt gaatcggaca tccgtgtgaa 300
 aagctatgac caattgaatt tctcaagag 329

<210> 8252
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 8252

agcttaagct ccttcaactg catattgttc ttaatatttt atgagtatcc ccgtggaacc 60
 ttcacccgac aaagacactg acaaaaactt atcttttctt ttttggacaa agtatgacaa 120
 gctgggggca agtaaatttt ctcccatca gaccttgat gcaactgtga tcatatccct 180
 atctcagcta gatcttgacg ggtattcaag ccatcattcg tcttgccttg aatgtaaagg 240
 agcgtcccaa tcacactgtc acatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagacca cgacacaaga acaaagaaaa tggacctctt tttcatatgc 360
 aagcttactt tatecttctt tg 382

<210> 8253
 <211> 194
 <212> DNA
 <213> Glycine max

<400> 8253

ttctcgagag ctgactatgt gtaatttga gcgtctcgat atattatacg cctgaatcga 60
 acctcagtgt aagaagttat gaccatttga atttctccag agcgtgcgtt ggtcatattc 120
 gagcgtctct atatgtgatg cacctggatc ggacctgcgc gtgaaaagat atgaccattt 180
 gaatatctcg agag 194

<210> 8254
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 8254

agcttattat aaaaagaaag ttatgttagg gaagacaagg aagataaaag cactacttga 60
 accatttgtgt cattaaatac gacacttcct gaggatgttt ctgatagaat ctttctcttg 120
 aaagtttcat ctttggtgaa ggcataaatg gcaagagggtt ttggctttgc attgataaac 180
 tcaatacttt cctgaatttt atccaactgc acagattgca agtgcaacaa gagttgaatg 240
 agacaatgca caatatatgt gagaattgaa aacataaaat gggactgttg attctcactg 300
 tgattatagg aagcagtggg ccgaatatct cttctgccat tatctcagaa tctagtggag 360
 gatctaacaa aatt 374

<210> 8255
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8255

agcttttgca ctgtgaaaaa taatttatct acttaaaact ttgacaacaa aaacaaatca 60
 taattagaca gaaagaaatg ggaaaaaat atataaaaat ggaaccttta ataattaaat 120
 gttaatgtta attaattgac aatgattacg acaaaaataa atacaaaatt taagctgatt 180
 tgaataatat ggtaaaattg atagtgtaat atttgaaaa aaaccctttc cattaatagg 240

tacttgccaa ttaatatattg cccattatat ttttccaata aaaaataata aactctccaa 300
tctttctttt ctcactttaa tccacngta anttcattaa ttattatttt attttgctca 360
atgcttacac cttcctcaca tgc 383

<210> 8256
<211> 353
<212> DNA
<213> Glycine max

<400> 8256

agctattacc tcagtgtgtt ccagctccag tgggccgac gttaccacca gtgactcgac 60
ggccaacaaa aacctgtcca aagccacctt tgcccagttt cctctctact ttgtagacag 120
gtgatcctcc tacttgaacc ttttattaac atatcaacaa taagcacctt gacaatatca 180
acaaaagaat tgagtaataa ttaaaagaaa agaataccct ctccggaaaa ggagctgcgt 240
tgggtgtcatc ttcttgagca acgcccttgt ttgcactcaa gccaccactc tcgtcggcca 300
tggcggcagc gtcgtctttc ttagtgtgat cggatattat tataagggga ttc 353

<210> 8257
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8257

agcttttttag ggcattgctat gttctacagg tggtttataa aagacttctc aaagatttcc 60
aaaccattca acaatttgct caacaaggac gcggtatttt tattcgatga agagtgtttg 120
aaggcattca acaccttaaa gaccagttta gtgtccgctg ccgtaattat agagccagat 180
tgaggtcgag aatttgagtt gatgtgtgat gcaagtgatt atgctatggg tgctgtattg 240
ggccaaagga aaagcagagt cttccatgct atttactatg ccaacaaagt tntaaatgat 300
gtcagatta attatgctac cacagagaag gaaatgcttg cgattgtcta tttactagaa 360
aaa 363

<210> 8258
<211> 237
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8258

tatgagggtca tttcttcatt cagctntgaa gagaatgtca tagatcactg tatataccac 60
aagggtcagtg ggagtaagaa tttgttcctt gtattatgcg tagatgatat tctgcttgtg 120
actaatgata aagggtatgct atatgagggtg aaacaatttc tctcaaagaa ctttgatata 180
aaggatatgg gagaggcatc atatgtcata cgcataaaga tccatagaga aagatct 237

<210> 8259
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8259

agctttcaag atattctttg gccataactc ttctcacgga tgtctgattt tgggacataa 60
tatatcgaga agctcaaaat tgaacaacgg aaactctcga gaaattcaaa tgggtcatgac 120
tttttattcg gaagtccgat tcaggggacat aactcatcta gacgctcaaa attaaccaac 180
aaaagctctc gagaaattcc aatgggttatc actttntact cgattcgggg acataatata 240
tcgagacgct tcgaaatgaa caacagaatc tctctaaaaa ttcctatggg cataactttt 300
cacacggatg tctgatttgt ggacataata tatcgagac 339

<210> 8260
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8260

ctttgactcg gatgtccgat tgagtcattt ttataattga gacgctcaac attgaatgca 60
ggagctctta ccaaattcaa atgccataaa cttnttactc ggatgtccga tngagtcccg 120
taatatatct agatgctcaa aattgataac agaagctctg agcaaattca aacgaacata 180
gctnttgact ctgatatact gatgagtcatt ttaataattc gagacgctca aaattgaata 240
cagaagctct tagcanattc aaatgacaat aactttngac tcgaatgggc cgatgagtc 300
tggtataatt tgagacgctt caaattgaat gcagaagctc taagcaattc aactacaata 360

actttgactc gatgtc

376

<210> 8261
<211> 377
<212> DNA
<213> Glycine max

<400> 8261

agcttgaagg tgtgtattcc gctatTTTTc ataatagaac actggtaatg tgtctattat 60
cattcttatc atttctttct ctgtcattga gggaaccact tgagctgccca ggtctctcca 120
cctttgggCG tattctttga aagatttTgTg cccctTTTTg cacatgttct gtagttgcat 180
cctatccgga gccatatcaa aattgtactg atactgccta acgaaggcaa ccattaggTc 240
cttccaagaa tgaactcggg aaggTtccaa gttagcatac caggtaatag ctacccaat 300
gagactttct tggaagacat gtatcagcag ttccttatct tttgcgtatg ccccatctt 360
ccgacaatac atcttta 377

<210> 8262
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8262

acctcctcct ctaaataacc attaagaaag actggTttca catccatttg ttgcaactca 60
aggTcaaaat aagcaactaa tgccaagata atacaaagag aatctttcat agatacagga 120
gaaaaagtct ntgtgtagtc gattccttct ttntgagtaa atccctttgc aacgagtctt 180
gcctggTatc tctcaatgtt ggctaattgga atccctttgg tcttaaaaac ccatttacag 240
ccaagggcct tngccctatt atgaaactcg acaggggtcc aaactccgta ctctgcatgg 300
gacttca 307

<210> 8263
<211> 378
<212> DNA
<213> Glycine max

<400> 8263

agctttgatg caacatttgg agatgtttat gaaacaacga gatgatgcgc tccatgagag 60

gttgatcaa atggagaata gagatcataa tgaaaaagaa aggaggagaa gagggaatga 120
 tgggtgttcct aaaaaaaatc gaattgatgg tattaaactc aacattcctc ccttttaaagg 180
 aaagaatgat ccagaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc aaaatgtgaa gcttgccacc acggagtttt tcgactatgc 300
 tcttgtgtgg tggaacaagc tacaaaaaga gagagcatga aatgaagagc caatgggtga 360
 tacatgggcg gagatgaa 378

<210> 8264
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8264

actcggatga actgatgagt ctcgtcatat atcgagacgc tcgannatga atgttgatgc 60
 tctgagcaaa ttcaaacgac aataactatt tactcggatg tntgattgag tcccgtaata 120
 tatcgagacg ctcgaaattg aatgttgatg ctctgagcaa attcaaacga caataactnt 180
 ntactcggat gtctgattga gtcccgtcac atatcgagat gctcgaaatt gaatgttgaa 240
 gctctcagcc acttcaaacg acaacaacat tttactcgga tgtctgattg agtcccgtaa 300
 catatcgaga cgctcgaaat tgaatgttga agctctcagc caattcangc gacaatacac 360
 ttttactcgg atgctgatt gagtcccgtc atatat 396

<210> 8265
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 8265

agcttagtaa agctaggcac taactatctc cctctttggc aaattttgtc taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
 catcttctat cagctactag tcttttccag gatgtcaaga catctcatgt gacatcagct 300

ttcccttgct tccatgctct tactgcagca tcttctatca gctactagta gcttacatca 360
gtcatcatca gcagcagcag tct 383

<210> 8266
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8266

ccgctccagt gctagtnttg cctaaccgga gagaaccctt tgaggtgtat tgtgatgcat 60
canagatggg tntaggagga gtgttgatgc anaatggcca agtagtggcc aatgcttcta 120
gacaactcaa gactcatgag aggaactatc ccaccaatga tttggagtag gttggtgtag 180
tttttgcctt taagatgtgg agacagtacc tgtttggctc caagtttgag gtgttttagtg 240
atcataagag ccttaagtac ttgttttagtc agaaagagct gaacatgca 289

<210> 8267
<211> 335
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8267

agcttgtttc ttgcaattcc aagactctag agagcttcct aataggtggc atgtcccact 60
tgtgcttttt ctatctaatt tgcacacctg aaaatcaaaa tctaaaaagc ctgttaaatt 120
taaggaggta cctttgggat acctcaaacc cacattgggt gtgcccttaa aatacttaat 180
gatcatatta acgaanatta agtgagattc cttaggaatg gactgacatc ttgcacataa 240
gcaaacactt aacatgatat ctagtctact tgtagtcagg tagagaagtg atccaatcat 300
agctctacat cttgattcat caacaaattt acctt 335

<210> 8268
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8268

ctactctcta acactagcta accaactaac tgtgttttagt taacataact agctagtggg 60

taagtacaat ctgtatatgc taagaatccc cctcaagttg aggaatgaat gtcaatcatt 120
cccagcttgg aatgaagaan atggaatgca cctggagaaa aagcttttggg gatgatgtct 180
gttaatgggt tggcagaaga aatangaagc aacttgataa gaccagagag taacttttcg 240
cagacaatat gacaatcaat ctcaatatat tttattcttt c 281

<210> 8269
<211> 253
<212> DNA
<213> Glycine max

<400> 8269

cacgagagct tccgttggtc attttcgaac gtctctatat gtgatgcgcc ttaatctaac 60
atccgtgtga aaagatatga ccatctgaat ttctcaagag cttacgtagg tcaattatga 120
gcctctcgac atattatgcg cccgaatcgg acatccgttt aataagttga gaccatttgt 180
atgtgtcgaa agctatcttg ggtcaattcc gagcgtctcg acatattatt tgcccgaatc 240
tgaccttcgt gtg 253

<210> 8270
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8270

accttctctt ccattggtnn gttcttcatt tttctocatg tatcttctca catgtcttgt 60
gataaatgta tntaatcatg ttcttttagag tttccaccga ttaaacaatcc gagtaaaaag 120
ttattgtcgt tntgaattgc tcagagcttc tattntcaat tntgagcttt tcgatataatt 180
acgggactga atcagacatc cgtgtaaaat gttattgtcg tttcaatttc ataggagcct 240
tctattttaa tttogagcgt ctgatataat tacagtactt aatcggacaa ccaagtataa 300
agttattgtn cgtttgaatt gatacgagct ttcgttttca atntggagcg tctcgatata 360
tt 362

<210> 8271
<211> 374
<212> DNA

<213> Glycine max

<400> 8271

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa ctacttacc aattaaaaat 120
ctatttcact ttttattcaa gttataaaat cccttaacaa tgaacttctt aaatattaat 180
tcaaataaaa aaattttgaa tatgaatata aagcaataat aaacaaagga gtttaagaga 240
agagaaagtg caaactcaga tttatactgg ttcggccaca cccttaatga attgagcact 300
caaataattc cttaatgaat tgcaattgaa ttggccaagg aattcttaag aggataaaat 360
gattttgctc tttg 374

<210> 8272

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8272

gtcttctctt cttagagttg tgattaaaga gaatataaag agctgggaag aatgtatgtc 60
tcatgttgag nttgcataca atanngtgt acataacact acataacact ctccatttga 120
agtagtgtat ggttttaatc ccttgactcc tctntatttg ttaccattgc ctaacatttc 180
taattntaag cataaggatg cacaggctaa agtngagtat gtgaaaagg tgcatagaaca 240
agt 243

<210> 8273

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8273

ctcggacact ccatngacta gtctatcgat gttgggcata aggtatgcat ctttggggca 60
cgccctattc agaccagtat aattgattca cannttgcca ttttcattna gccttttgac 120
catgacgaca ttggcgagct aggtagaata tctggcttct ctgatgaagt tggcattgag 180
gagctngtcc acctcttctc taaccgattt gtatcattct tctcccatct tctctttata 240

tggatgatacc agtttggcct ggggacagat gatgagctng tggcagataa tgggtggggtg 300
 gattccctac atgtcagaag gctatcaagc aaacagggtcc gtgttctctgt gtaggacatc 360
 aactatgtgt ctgtgcttat ggggtgggtgag gtcctactg 400

<210> 8274
 <211> 300
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8274

aaaacgttgt ttttacttca aaacccttg aactacttca cattgactta tttggtcctt 60
 cgaaaactat ggggttttgggt ggtaattact atgtcctagt tataatagat gattactcaa 120
 ggttcacatg gactttatatt ttgaaaacca aaagtgaagc ttttgatgct tttcgcaaac 180
 ttgccaaggt gattcaaaat gaaaaaggct tcaacattgt ttcacttata agtgatcatg 240
 gaggtgaatn tcaaaatgag tatttgaaaa cttttgtgaa aaaaatgaaa ttcaccataa 300

<210> 8275
 <211> 323
 <212> DNA
 <213> Glycine max
 <400> 8275

agcttgaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaaccaga 60
 aatttgtacc tgttgcaagg gtctgtggtt tgtgctctc tactgaccac catacagacc 120
 tttgcccttc catgcagcaa cttgaagcaa ttgagcaacc cgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcaga aaaatcaacc acaacagaac aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcaga tgggtccagcc 300
 ctcagcaaca acaacaacag cct 323

<210> 8276
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8276

agcttgtaat cgattacaca tatactgtaa tttattacca gaggagtttt tcagaaacca 60
 ttctcaacag tcacatcttt ctgtgtgggtt cttgaatggc tatcataagc ctatatatat 120
 gtgacttgag acacgaattt gctaagagtt tttcaaaaca aaatgggtctt atcctcttaa 180
 aaagcaaadc gttttatcct cttacaaatt ccttggccaa attacttggtg attcaataaa 240
 gaattatttg agtgctcaaa tngttcaatc tatctctttc aagagagaat tcttcttttc 300
 ttcttcttca ttctgaaaag ggattaagag accgaggggc tctttgtgtg aaagaattct 360
 aaaca 365

<210> 8277
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 8277
 agcttgtaat ttattacaca aggcttgtaa tcaattatca gaagttttta acgttttata 60
 atagccttca gaaatttgaa tttaaatttt aaagcctgta atcgattaca acttgtgtat 120
 aatcgattac cagaaatgaa aattcaaatt tcaattctga agagtcacaa ctcttcagaa 180
 tctaactgtg taatcgatta caacagttat gtaattgatt accagtaagg aattttcgaa 240
 aataactccc aagagtcaca actgttcaac aagtttttga atgaccatca aaggcctata 300
 gataggtgac ttgggttaca aaattcctta gagtttttct gaacaaattg tcttatcctc 360
 tcaatac 367

<210> 8278
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8278
 tgtgcatata gagctacaga tgtcttgcaa ttgatacata cagacatttg tgggccattt 60
 catacacctt catggaatgg tcaacaatat tttatatcat tcatagacga ttactccaga 120
 tatacatact tgtttcttat acatgaaaat tcacaatctc tagatgtgtt caaacattt 180
 aaagttgaag ttgaaaatca actcaacaaa agaatacaga gtgtcaaadc tgacagtggg 240
 ggtgaatact atggtagata cgacggttca ggtgaacaac g 281

<210> 8279
 <211> 182
 <212> DNA
 <213> Glycine max

 <400> 8279

 agcttgccat tgaacaagtt cgagattcta ttttatcacc gagccgtgca ctgcattgg 60
 taccaccttg agaggtttgg gtttgggtgtg ttaaaagggtg acaagagaaa tgagtcaaaa 120
 ttctcaagtt ggattcacct aagggtgtgt cttgaagggtg cttatcatgt cctggatgag 180
 tc 182

<210> 8280
 <211> 394
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8280

 tccgtatgag tagaaccctc accattaaca ctagatgaag aacgaagact catgttggtt 60
 cttaaagtgt ggttctttct ttgttggggt tngaaaacaa aaggtaaaag aaactacggt 120
 tgaaactagc caaaataaac actaaaagag gtgtgaaaga taatgtaaaa actaattggt 180
 aaaaagcaag ttatctangt ggttngacaa tggaagataa agganattta aagcaagcta 240
 gatagtttcc tatgtgaagg cttagatgaa cccttggagg tcccaactgg ctcttcgctt 300
 agtctacacn ggttacacta agctattaca cacaaataga ggtttgggtg gtctcttgga 360
 gactctcaat acacncctga agaattgtcaa atac 394

<210> 8281
 <211> 333
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8281

 tggaagctcc taatatctcc cacactntgt ggggtgngcc attcttggat ggtcttgatt 60
 ntctcagggg ccacttggac cccatttcta ccaactaana atcctaggan aactatatta 120
 tctacacaaa aagttcactt ctctatattt gcatagacca acaacactgg gataacacat 180

gggcttaggc tctcttagac ccagcccttc tccaaacaat cttaacctga gtctctatct 240
 ccttagtctc ctgagagggt tagtcctata ggctatccta ttaggaaggc ttactcctgg 300
 gaactaaatc tattggtgtt ctattctcct taa 333

<210> 8282
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 8282

gcttgaaatt gagcaacaaa agctctcgag atatcttata tggtcataac ttttaactcg 60
 gaggtccgat tcaggcgcat cacatataga gacgctcgaa attgaacaac ataagctctc 120
 gacatattca tatagttata acttttaact cggagggtccg attcaggcac atcatatgtc 180
 gagacactcg aaattgaaca atggaagctc ttgagcaatt caaatggctc taacttttca 240
 ctgagaggtc cgattcaggc gtataatata tcgagacgct tggaattgtg caacggaagc 300
 tctcgtgaat ttcaaattggc cataactttt cacttggagg tccgattcaa gcgcatacaca 360
 tatagagacg ctcgaaattg aacaacgtaa gctctc 396

<210> 8283
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8283

agctttaact taatcaatgc aatttccttt tgtgcttggt cattccaccc aaacgcaccc 60
 ttcttcaaac attcggtcac aggacttgct atagtgctaa aattctggat aaagcgtcga 120
 taaaatgatg caagaccaag gaaagatctc acctccgaaa ctgttgtagg gctcggccaa 180
 gtcttgatag catccacttt tgtttgatca acggatactc catctttaga caccacatat 240
 ccaagaaaca ccacactttc aaccaagaaa tcacactttt ccctcttccc atagagattt 300
 tgtgctctta gggctctcaa tatttgcttc aaatgagtga aatgctcctc tatagatttg 360
 ctata 365

<210> 8284
 <211> 400
 <212> DNA

<213> Glycine max

<400> 8284

tcttatccaa ggctcatctt ggtggtgaag ctctcttctt tcatggctta ttccttagtg 60
gatggtgcct cctctcacct cttttccttt ttcttccgct gcatcccat ggtggaaaat 120
caccattaaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc cccacaagca 180
agcttccatc agaatgttcg aatgcggccc ataataaatt gaaacactca aaattgaaca 240
cgaatgctcc aagaaaattc aaatggccat gacttctaac ttcgtatccg attgcaaccc 300
ataatatatt tagacgctca aaattgaaca tgaaaggttc gagcaaattc aaatgaccat 360
aactcttact ttcgtatccg attgcagact attaaatata 400

<210> 8285

<211> 398

<212> DNA

<213> Glycine max

<400> 8285

tgtcaccggt cgcaaccctt ttgggtttat gcctttgggt atgggaaaga gaagcaacgg 60
tgttattggt ttcgcttcta aaacttgctt aacctaattg aagcgattta tgagaggag 120
gtggttgtgc cgctgagaa tttctacgac gacgtogaag ctgcgaagta cacctctttt 180
tctcatattg ttcaaattca ggtttttccc tttttattct tctcattccc tattcaattt 240
tctttcgttg tgaaattcat tcattcatta attttcttat gccaaataag tggcactatc 300
aaagagagct ctgcgaactac ttgctttgcc tgatgaccac gttcctaaat tactccttga 360
tatcagtaat tttaatttaa ttcaatttaa ttaataatc 398

<210> 8286

<211> 394

<212> DNA

<213> Glycine max

<400> 8286

tctagataaa gtaactcgtc ttctctctat tttttgtttg agggcacacg taacacaagc 60
tgaacttcat tgtcagttcc atgcactgtg ggctgggggtg attgaggagg ttcgagttca 120
aagggataaa tgttttggat ttgtcagata caacactcat gacgaagctg cactggccat 180

tcacatggct aatggaagac ttgttcgtgg gaagaatatg aaggtgagaa ttcttttact 240
 tgatgcttat ctgggtcaact aattaattgc tattctttgt tgaggctgat ggttgcccca 300
 tataataatg cctattgcct agtaaggatg gtgatctctc ttttttttct tcttgccaat 360
 ggctgatcac gttactcgca tgtagagact catg 394

<210> 8287
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8287

tagctacaca cccctataa tagctaactt tattccctcg acaaaaaaca tgaaaataca 60
 aaaaaaagtc cttactacaa agactactca aaatgccccg aaatacaagg ctaaaaccct 120
 atactactag aatggccaaa atacaaggcc cagacgaagg aaatacctat tcaaataattt 180
 acaaagataa gcgggctcat acttagccca tgggctcgaa atctacccta aggctcatga 240
 gaaccctagg gccttccttt ggatctctag cccaatctac ttggagtttt ctaccaaatg 300
 cccttgcggg gtaggattgc atcacatagc atgcccgttg gcgtgcgttc caaacgagtc 360
 ctcatggact tctcgatca tgtgggccgc tcatgaa 397

<210> 8288
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 8288

tctatagaag gttcgttctt aatttctcta caatttcata acctctcaat gagctggtga 60
 agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctc ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaactt catagtgcc aacctcaacta cccacactat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360
 tcattcatag tgatcatcaa tcacttaagt acatta 396

<210> 8289

<211> 362
 <212> DNA
 <213> Glycine max

<400> 8289

agcttccatt ttcaatttgg agcctctcga tatattacgg gactctattg gacatccgag 60
 aaaaaagtta ttgtcgtttg aatttggttc gagcttccgt tttcaatttg gagcatctcg 120
 atatattacg agactcaatc ggatatccga gttaaaagtt aatctcgtct gaatttgata 180
 cgagcttcca tttttaattt ggagcctctt gatataattac gggactctat tggacatccg 240
 tgtaaaaagt tattgtcgtt tgaatctgat acgagctttc gttttcaatt tggagcatct 300
 cgatatatta cgggactcaa tcggatatcc gagttaaaag taaaatctcg tctgaatttg 360
 at 362

<210> 8290
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 8290

actcttataa tactcacgct ctaaccgcct gagatctttg ccttaacaca ttggatggtt 60
 catcctttgt ggtataagta gagggtagat ctacttgggt ttgactgaga acaagagagg 120
 gtacatctct tgtggatcag ttctagtga gggtagatcc actagggttt cgaagagaac 180
 aaggaggagg acatcccttg tggatctttg cttgtaaaag gatttttaca aggttgaaag 240
 aaatctcaag gaccgcaggt ctcttgggga ttggatgtaa gcatgggttg ttgccgaacc 300
 agtataaaaa ctcttgtgtg ttgtctcct tcttccctac tcttttaatt ttgctgtgc 360
 atttaatttc cgcttttact ttctgttaag tttctcttat actccttatt ctcttaacaa 420
 ctt 423

<210> 8291
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 8291

agcttttgag gaatttttca acttctttgt ccataaattg tgttttgtag tccgagatca 60

aagtattagg aattccaaat tggcataaaa tgttcttcaa aatgaacttt cgaacattgg 120
 ttgtcgagat ggtggcgatg ggctcggctt ctatccactt ggtgaagtga tcaatgccca 180
 ctaggaggta ttttacttgt ccctttgcta ggggaaaagg tttgagtatg tctactcacc 240
 aaatggcaag gggcttttggg gttactatgt tgtgtagctc tttgatagac atggaagaga 300
 tgttgttgaa tttttgggat tcttccatt tcttcacatt ctatataatc ttttctca 358

<210> 8292
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8292

agcttaataa atctatatat ggtttaaaac aaacctttcg tcagtggtag ctttaagtttc 60
 atgggataat ttcttcattt ggttttgatg aaaaccccat ggatgaatgc atataccaca 120
 aggtcagtgg gggtaaaata ttctttcttg ttatatatgt agatgatatt ttacttgcag 180
 ccaatgatcg gggtttgcta catgagggtga aacaatttct ctctaagaat tttgacatga 240
 aagatatggg taatgcatct tatgtcatca acattaagat tcatagagat agacctcaag 300
 gtattttgag tctatcacag gaaacctata ttaacaaaat tctagagaga tttcggatga 360
 aaagt 365

<210> 8293
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8293

gctattggga ttgagaaagc tttaatggat tgtttatttg atagtgcacc gataccggta 60
 actggttaat aggatcttga gaggattgag ggcataata ttgtatttgg aaagacccta 120
 aagaaggaaa aaagtaaaac ttccatatgg aagaagaggt ttatattgtt tggctctcca 180
 tactggtcaa atttagatgt caaacattgt attgatgtta tgcattgtga gaaaaatgtt 240
 tgtgatagtc tcatcgacat gcttcttaac attcaaggca agagaaatga tggtttgaat 300
 actcgccaag atctagttga gatggatata tgagatcagt tacatccaag gtctgatggt 360
 aacagaatat acttgctcc agcttgtcat gctttgttg 399

<210> 8294
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8294

agcttttggt aagttcaaac actacctatt ttgccataaa ttcattattc atactgatca 60
 gcaaagcttg aaggaattat tatagcaaag gttacaaact cctgagcaac agtagtggtt 120
 acccaaattt ttgggatatg attttgttat tcagtacaag ccgggtaagg agaattattcc 180
 tacggatgaa ttgtccaaaa gtttttctat ggcattggtc gaagcagtag gagtatggat 240
 gactcaagta gcaacattaa tgaaggagga tgctattttg gctgcacttt ataaacaatg 300
 tatagaggga actgtgtcag gaactaaata tacagtgaat gatggattgt tgtttttg 357

<210> 8295
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 8295

tgtccttcgt ttgattccaa atgggtttatt tcttaatggt cactgttgta caagctcaag 60
 tgcacacatt tttcatcaag caagggtcca caatggtacg ttccatagga ccacatttcc 120
 aagtcccacc agcatcgctc caaggcctag ttggagtcac aatactcttt gctgtgcat 180
 tctatgaccg tgtctttgtg ccactagcaa ggaaaatcac agggaaaccc actgggataa 240
 cagtgtaca aagaattggg gtaggacttt tcttgtcaat ccttaacatg gttgtgtcag 300
 cacttgtgga ggccaaaagg gttggtgttg caaaagagag tggcctaatt gatgacccaa 360
 aagcagtgtt accaatcagc atttgggt 387

<210> 8296
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 8296

agcttctaaa caatgggtttt gtttttctcc actaccctat tcaccattgg ttaagggtgt 60
 tccttagtca ttctactagt gtatgtagat gacatcatcc tgtcaggacc aaattttgcc 120

tctatgcaag ctattcagac ccaattgcaa tctatgtttc aattgaagat ccttggcact 180
 ttgaaatatt ttcttggtt agaaatagct aaatccaaca gtggtatctc actctcccag 240
 agaaaataca ctctatctct tttagaagat gcatgtttct tggcatgcaa acctttcaat 300
 gaatcccaac ctgaagctca atcttcatga tagagactta ctacctgatc 350

<210> 8297
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 8297

agcttctaca ttcaatttca agcttttcga tatatttctg gactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatttgctca gggcttcggt attccatttc gagcgtctcg 120
 atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttgttt gaatttgctc 180
 agagcttcgg tattccattt cgagcatctc gatataattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtagtt tcaatttgct cagggttcg gtattccatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaatttgc 360
 tcagagcttc tacattcaat ttcgagcttt tcgatatatt ac 402

<210> 8298
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 8298

agctttgagc aaattcaaac gactataact ctttactcgg atgtctgatt gagtccctgta 60
 atatatcgag acgctcgaaa tggaataccg aagctcagag caaatTTaaa cgacaataac 120
 ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga aattgaatgt 180
 tgaagctctg atcaaattga aacgacaata aatttttact cggatgactg attgagtccc 240
 gtaatataat gagacgctcg aaattgaata ccgaagccct gagcaaattc aaacgagaat 300
 aactttttac tcggatgtct gattgagtcc cgtaatatat cgagacgctc gaaattgaat 360
 ac 362

<210> 8299

<211> 391
<212> DNA
<213> Glycine max

<400> 8299

ttccagggtt ggtttatgat gacgggcttc ttttttgggt acacgtggca ggatttccga 60
gctggataca gaaaaagggtg gaggaggcac agttagtgtg cgcggagggtt gggaaggaac 120
tacggttatg tagcagggat tctccgtacc ttggaaacac gaatgttgcc acgtgtcacg 180
agctgaacac gtatctgcac ctcgttgatg gcttcgtcag ctccacgtgt cccttcagag 240
cctccgcgaa gaggttcctc cagcgttgac agccaccgta gtgtggtgct ctaacccaaa 300
ccattaacag aaaagataag ttttcatggg aaaatgtaat tattagctgt agttgtctaa 360
attgttgcac aaccatcgtc attgtagtta g 391

<210> 8300
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8300

tgaccaggaa ttatttgtat tggttggatg ttgaattctg gttgttcctg gtgcggagat 60
gatggtacag cgggtgaacc aggagcggca gtttcttttg gtgaggaagc catggaaaaa 120
cagagcgttt ggaatgattt cgtaaacttc agaaaactat tgggaaatgc tggagaaaac 180
acgaatgcca agcagatata aatttgaatg aagaatgtag aggggcgtgt gaagcaacgg 240
tcgaatttgc tttgtggtga acgtgctatt aatgttaagt gattcgtttg ggcacgttca 300
gattgcagta gctgctataa ttcctctagc agacaaatgc ccagcttgcc cctcagttnt 360
tcaaactgat ttgcatcaa agcctttgtg aaaat 395

<210> 8301
<211> 371
<212> DNA
<213> Glycine max

<400> 8301

agcttgcttc tacaccactt attgagaaga tgagtcaaga agaagctcgc caccatagga 60
agccatggat aagagcttga aggtaggaga agatgagtgg agggagaggg agagaagaag 120

cacagaattt tgtgcctcaa atgaggtctg aactttgaag tgtaattctc aaatgatcaa 180
 agttgaaaaa atgcacacac atggcctcta tttatagcct aagtgtcaca caaaattgga 240
 gggaaatttg aatttcaaat ttcacttgaa tttgtggagc caaatttttg agccaaaatt 300
 tcactaatta tgattagtca attttatcta tggttcagcc cactaatcca agatcaactc 360
 caagattctc c 371

<210> 8302
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8302

agctttgggt tccgatggccc ctttgacatc tattccccac atggaaaaag gacaaggggc 60
 agacatgaca ttcaaaggat gtggcggaac attgacattg tccgtgtatg cttgacattt 120
 atggcatttc cttacatggg cgcagcaatc gctttccata gtgagccagt aataacctgc 180
 tctaaggatc ttcttgcca tagcatgcct attggcatgt gtcccaaag aacccccgtg 240
 gatttcctca atcatgtagt ttgcctcttt ggcacatg catcgagga gggatcatgc 300
 gtggtttcgt ttgtacagga tggtagcact cacaagaaa ccagtagcca atctc 355

<210> 8303
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 8303

tgcaactctt tccgcatggc atcataaatc tgccaccacc tcctgtgagc cgagtcactc 60
 gcgaaaacat ggcgatcctg catgtcccag ttacaatcat aatccctata acacatccac 120
 ggcttcagac ccaggtagtg tacggcgtag acgtcatcag ggagctcgtg catcccatgg 180
 ccactactag gaaaagtctt gagctgattc accttggccg gcaaacggtg ccaccacgtg 240
 aagatttcgt tgagaaagcc ttggtcgccg ccgttgtaag aacgcacctt ggaagtcacg 300
 ttcatcattt tccggaacat gcattgcgac ggctcgatta ccatcaagcc cgagttgaac 360
 agcgttttct cgtaggtgc ggctgataac tg 392

<210> 8304
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8304

agctttttct ccctttcett tgttcttctc ctctccttgc gttcttcttc ttcacgtttt 60
 tcctttttctt cttcttcaag aagcttcacg tgtagacaaa atcatgcaat tgggatttag 120
 aagtgcattt taaaaataga aacaagagct ttttttcctg tccccaacag cttttttcct 180
 aaaagcaaaa aactaagacc tgcttttcca acgtaatgat ttctttgcat gctacatgca 240
 ctcgatcctc cagcagtttt agtgcaagac aaacgaatat gctatgtgca ttttggcgtg 300
 ctgtcccttc tctgaaagcc ttttcaacct gaaaggatag tacacagtca gtggt 355

<210> 8305
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 8305

tgtgttgaca aggcccagtt gatagaatth ttttctccct gaagttggca tattactggt 60
 atggaacctg acacctgagt gttcatgttt tcattgttga actgctgtat gtttctgtgt 120
 tttgtgttta cagcaccata acttaacaaa tcaccaatct gcaattacct gggtgtgata 180
 atgacagggg tgttgtttga agctcaatct ttgcataagg aggcctttgt ttccttctca 240
 gtctcgttgt caatagaacc ggattacatt cccagtatta tttcaacagc aaaattgtta 300
 cttaaacttg gaatgcaatc acttccaata gcaagaagct ttttaataaa tgctttgaga 360
 ttagacccca caaacatga tgcattggtt aaccttgg 398

<210> 8306
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8306

agcttgtgcc tctttacgtc tgttatatta atgnancatc caaagaccct tatgtgcttt 60
 gctgatgggt tcttcccggt ccaagcttca attggagtct tgtcttttac agacttaatt 120

ggacatctgt tgattatgta aacagcagcg tagactgctt cagcccataa tgtgttaggt 180
agacccttct ccttgagcat tgatctaacc atttccataa ctgtgcgatt ctttctctcg 240
aacactccat tttgttgagg agaatatgcg actgtaagtt gtcactcaat gcctttatcc 300
tcacaaaaac tttcaaactc gcgagaagtg tactctttgc cgcgatcac 349

<210> 8307
<211> 394
<212> DNA
<213> Glycine max

<400> 8307

ttgaggtagt ttggttcctt taaatatttg catctatgat tgtttgctat tgtttatatc 60
ttgaattgta ggtattgatt taaacatctt taatttctgt gcagtatggt tgttactgaa 120
cttctcccaa atgatgctaa gagagctctt gaggcattat gcataccagt cataactcct 180
ttacaggtta gtgtccaatc tgcagagata tttttagtta tacattttct tttgatgttt 240
ttgctttcta taatttgctt catcaggaag ctatcaatca aggtccagaa agcttgagta 300
aaagaccttc tcgtcagtta acagttcata ttgatcgatt tgcctacatc tttaggtgtg 360
ttccataatt aatattgtca tgtctatgca ccct 394

<210> 8308
<211> 394
<212> DNA
<213> Glycine max

<400> 8308

tagcattagc atgtgttgac actggatcac tttttttggg tacgtgtttg ttacttttagt 60
ggatcctatc aaagaacctc cgcttataac tacaaacata gttctgtctg tttttgttgt 120
gtattgtcat gtggacaaag ttccatgcc a tgtttgagac atctaagatt ggcgtcttgc 180
ctttgcccag tattatTTTT tgcaacatct tcctttctta accttgatc tacctcgaaa 240
ttttaatatg gcaacttact cttgtggaaa ataattttta agaattaata taacacttta 300
aaattaaatt tagaatatta aaaaaatata aaacatagat ataattcttt aggtgttatt 360
gatacttttc tcctggtaga attaaaatcg tact 394

<210> 8309

<211> 360
 <212> DNA
 <213> Glycine max

<400> 8309

agcttgaaga atgtatatac aattggcagt ggggatgatt ctgcaccaaa gttacctgat 60
 cgagagcccc aaaaggcacc taatgggcat gctgttatgc atgttaagga tatactgcct 120
 cgaggcctta tcaactctgg gaatctatgt tttcttaatg caaccatgca ggctctcttg 180
 tcatgctcac ccttcgttca tcttttacag caattaagaa cttgcaacct tcctaagggt 240
 agtttttctg ctgctgcatt tcaactatta actaatactg ccatctactg gttttagctt 300
 aacttatata tggcttaata acattaaagg aataaagacc taatagctgt attatgcatt 360

<210> 8310
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8310

agcttatacct ccaagccaga aagttccaaa acctcccacc aggtccaccc tctctcgcca 60
 taatcggcaa cctccactgc gccccctcca tcgcaccttc aaagccctct ccaacaagta 120
 cggccacgtc atctccctat gggtcagctc ccgcctcgtc gtcgtcatct cctcccaaac 180
 cctattccaa gaatgcttca ccaaaaatga cgctgctctc gccaacgcc ctcgcttcct 240
 ctccggaaaa cacatcttct acaactacac aaccttaggg tcctccccct atggcaagca 300
 ctacgcgctg aggggggagga ggacngaggg tggcgaagga ggagggaaaa gggg 354

<210> 8311
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8311

tccaaccaca gaaatttcac ccaaattaga gttactttta ttctaaaaag aactacagag 60
 attatatact aataactaac ccacaaatca aactaatgtt ttgcaggatt acaacgcaaa 120
 aatttcagat tttggcttgg cgaaattagg gccttcgggt ggagattcac acgtgagtag 180
 gaggatcatg ggaacatatg gctatgctgc tccagaatac gttgcaacag gtgatcatct 240

catcttatct aaacacataa atagagagat ggtttgtgaa tatgctagtt gaagttgaaa 300
 ctaattgttt tatgattcaa caggacacct ttacgtgaag agtgatgttt atgggttttg 360
 tgtgggtgctg cttgaaatgc tgacagggat gagggcaat 399

<210> 8312
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 8312

agcttccatc acaaacactt tatggttaga aggttggtag aaataatatt ccattgtttc 60
 ttcaggataa ccaatgaatc tacacttatt agaccttgcc tcaagtttat ctgtttgcaa 120
 tcttttaaca taatcagggc aaccccatat cttgatgtgt ttaagacttg gtttctttcc 180
 tttccatatt tcatatggag ttgtagagac tgcctttgta ggaactttat ttagcaagtt 240
 ggttgttgct tctaaagcat atccccataa gtttaatgga agatcggtga accccatcat 300
 ggatcttacc atatctagta aggttcgatt tcttctttca gataccatcatt tgtgtt 356

<210> 8313
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 8313

tctggttaagg gctgcaaagg gtccatattt tttatgtcaa aaactttcaa aagatataat 60
 taaaatagtg agaggcaata aaaaatgcta aatgatctga taagcacatg cataagacta 120
 ataagtttgc tgaagttcaa ggctgaaaaa catggaccac aataagtga taaaccaatt 180
 ggaaacataa gaggagagca cctgctattg ggatcataat agaatccact gatagagcca 240
 tcgctgcaag agaaacaaat gtagtaaaat ccggctatgg ttaatccaca gtcggttcca 300
 acattcaca agtactgtc cttccacctc tgcaacaaag aaataagtgc gatttgtaaa 360
 ggttctcatt tcagataaat actttttttt tcaac 395

<210> 8314
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8314

agcttagact gagttcagcc tactcatcct cagactgatg gccaanctgn nccaaccatt 60
cagtcattgg aggacctttt aagagcatgt gtcttacagc agaaggggaag cttggagagt 120
tttcttccat tgatagagtt cacttataat aacagttttc actctaccat tggcatgact 180
ccctatgaag ctttgtatgg tagaaggtgt aggacacccc tatgttggtt agagcccga 240
gaaggcctca ccttatgacc agaagtggta cagcaaacca ctaagaaagt taagttaatt 300
taggaaaagga tgagaactgc tcagagtagg caganaagtt ttcatgataa g 351

<210> 8315
<211> 357
<212> DNA
<213> Glycine max
<400> 8315

agcttgtgtc gcactttcaa ctgctgaagc taaatatata gttgcagtaa gttgttgtgc 60
tcaaagtctc tggatgaagc aataacttga agactttgga gtacatcttg atcacattcc 120
tatacaatgt gacaacacaa gtgttatcaa cctaataaaa aactatgtca agcattctag 180
gactaaacac atagaaataa ggcattcttt tcttagagat catgtgccta aaggtgacta 240
ctacattgag ttcattgata gtgagcatca actagcagaa attttcacta aacctcttga 300
tagagatagg ttctttttca taaaaaatga actaggcata ttgaattcat ctagcat 357

<210> 8316
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8316

agcttccgag ctgatgctct cttataaaaa ttnttcttat nngntttcat tcttatgtga 60
ccaaagcaca gtttcaaatt tgggcacttt agatgtgtca cacaatcaaa taaaggggca 120
actgccagat tgttggaat cagtaaagca attactgttc cttgatttaa gcatcaatat 180
attgtcaggg aagattccta tgtccatggg cgcccttgtt aatatggaag ctttggtttt 240
acgaaacaat ggtttaatgg gtgagttgcc ttcttctttg aagaattgca gcagtttatt 300

tatgctggac ctgagtgaat atatgttgtc ggggtccaata ctttcatgga 350

<210> 8317
<211> 398
<212> DNA
<213> Glycine max

<400> 8317

taatacccaa aatcacatct acaggaccaa gggtttcttca tatcaaaatt tctagacaag 60
aaagacttca catcatttat gaattgcata ttactaccaa atatcaatat gtcattccaca 120
tacaacacata aaatgacaca tccattatca tcaaattggtt tcacatacac acatttatca 180
gtattattga tttgaaaacc atacgaaaga acaacttgat caaatttttc atgccattgt 240
tttggagctt gtttcaaacc atataaagat ttaacaagtt tgcaaacttt cttttccttc 300
ccctgttcta caaagccttc aagttggctc atataaattt cttcttctaa ttcaccattt 360
aaaaaggcag tttttacatt catttgatga attttctaa 398

<210> 8318
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8318

agcttcaatg gcttantaag gatggagagg tgcaagtaag gaagcaaag gagttggata 60
tttccattgg aaattacaat gataaggtgc tttgtgatgt tgttctata gaggccagcc 120
acttactctt ggggagacca tggcaatttg ataagagggc taatcatgat ggtttcacca 180
acaagatctc tttcacgcat caaggcaaaa aagatagtg tcaaaccatt gattccacaa 240
gaagtgtgtg aggatcaaag aaaaatgaga gagaaaattc ttcaagaaaa gagagaaaaa 300
gaaaaagaga gccaaacact tgagagttca aaaagtgagg aaaaaagag gga 353

<210> 8319
<211> 359
<212> DNA
<213> Glycine max

<400> 8319

agcttattct ataactacca atttccacag gtaatcgatt acaacctatt gtaatcgatt 60
acaatggcct tgttctacgg taatccatta tagtgagtgg taatcgatta ccagacccta 120
aaatatgagt ttcaagtcta aaaatcagga caaatatgtg attataagca atcaatatac 180
aattaaacaa tcaaaaacat ttatgagtat gaaaaattac aaaaaacaac catcaaagtc 240
aattattata aacattcaaa gtaatcaatc atcataaaca agcaaaataa ccattaaaaa 300
cagtcattat aaacaatcaa aacattataa gcaaacaag tggctaggaa tctaagtta 359

<210> 8320
<211> 423
<212> DNA
<213> Glycine max

<400> 8320

gagagcttcg cggcgctatt tacgagtgcc tgtatagtgg tgcgcctgaa tccgacatcc 60
cagtgtaaag ttatgaccat gtgaatctct cgagaggtgc ctatgtttta ttttgagcga 120
gaggatatat tatacgcttg aatcggacct cagtgttaaa agctatgacc atttgaattt 180
cttgagagca tccgacgac attttcgagc ggcgctatat gtgatgaacc ttaatcggac 240
ctccgtgtga aaagttatga ccatttgaat ttctcgagag cttccgtcgt tcaatttcga 300
gcgtctcgac atattatgcg cccgaatcgg acatccatgg gaaaagctat gaccatttga 360
atttctcgag agcttcacgc gttcaatttc gagcgtctct acatatgatg cgcccgaatc 420
gga 423

<210> 8321
<211> 395
<212> DNA
<213> Glycine max

<400> 8321

ttgaatgctc tattcaatgg agttgacaag attatcttca gacttatcaa cacatgcaca 60
gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcc atgcttgac tgccttggga 240
gaaaggatga caaacgaaaa gctggtaaga aagatcctca gatctttgcc taagagattt 300

gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggtt cccttcaaac ctttgagcta ggact 395

<210> 8322
<211> 349
<212> DNA
<213> Glycine max

<400> 8322

agcttgtagc gacagccact cttacatctt attcatgaaa ggagagggaa gaggatccat 60
ccttggtacc ttgttaagat ttttataata aaatgctgca ttctccaatc gggtattggt 120
gatgagcgaa acaaagatt tttctcattc ttaacaatag tcatgccacc cttgttcaca 180
accacttgca ctctactgac ccatgcaacta ttcaaaattg agtatgctat tctaccttcg 240
ataagaataa gatgctatct acttaccggt tctgtatca caagactcaa tctcctttac 300
gattgaacca ctagttaaaa gtcttgattc atcataattt acgcatgca 349

<210> 8323
<211> 357
<212> DNA
<213> Glycine max

<400> 8323

agcttggtgc gcactttcaa ctgctgaagc tgaatatata gttgcaggaa gttgatgtgc 60
tcaaagtctt tggatgaagc acaactaga agactttgga gtatctcttg atcacattct 120
tctaaaatgt gacaacacaa gtgctattaa tctaaccaag aaccctacca tgcattctag 180
aactaagcac atagaaataa gacatcattt tatgagagat caagtgtcta aaggtgacaa 240
cttcattgag ttcatagata gtaagcatca aatagtagac attttacta aacctcttgc 300
tagagatagg ttctttttca ttagaaatga actaggcata ttggatgcat ctagcat 357

<210> 8324
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8324

tttcttccat cataactctt gatcaatgta catgcataca ctatcaaac tcaaagatat 60

ttcattattc tcagaaaaag caacatcact tgtaactttc ctcacactat ttgtttctta 120
tatcatgtct ttgagtgaga aaaatgataa aaagaaattht cttcaaagtc ccatccaaat 180
cgattgagta acacaattat taaaatagaa gaaaattttaa aataattttg ttcactctta 240
atttatataa tctgcactaa taaaaataga attatataat atgcatgtaa tcctaaagaa 300
acgggactat taaaagaata tttaaaaaaa aaacatntaa aatcatgata agaattgtatt 360
agtaatatta ttttaagaaaa tattaagtac tttggaaaaa atgtaaaata attatatctt 420
tatgaa 426

<210> 8325
<211> 582
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8325

tgtagcaaat tcaaacagga ataacttttt acttgatgt ctttttgtgt cttgtagtat 60
atcgagacgc tcgttattga aaacagaagc tcgtagtaaa ttcaaagac aataactatt 120
tactcggatg tccgattgtg tcccgttaata tatctagacg cttgtaattg aaaatggaag 180
ctttagtagcaa attcaaacag gaataacttt ttactcggat gtccgattgt gtctcgtagt 240
atctcgagac gctcgttatt gaaaacagat gctcatagca aattcaaacg acaataaatt 300
tttactcaaa tggtcgaatg tgtcccgtaa tatatcgaga cgctcaaaat tgaaaacgaa 360
agctcgtagc aaatgcaaac cacaataact ttttaactcg atttccgatt aagtccagta 420
atatatcgtg acgctcgaaa ttgaaaacat aagctcttag aaaattttta cgacaataac 480
tntttactcg gatgtccgat tggaaccggt aatatatcga gactctccaa atngaaaaca 540
gaagctccta ngaaattcaa ctacaataac tttttactcg at 582

<210> 8326
<211> 616
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8326

atcctctaag cacctgcggc tgcagcttca ttttaattac aagcgtctag atatattttt 60

ggacacaatc ggacatccga gtaaatagtt attgtcattt gaatttacta cgagcttctg 120
 ttttcaataa cgagcgtctc gatatactac aagacacaat cggacatcca agtaaaaagt 180
 tattcctggt tgaatttgct acaagcttcc attttcaatt tcaagcgtct agatataatta 240
 cgggacacaa tcggacatcc gagtaaaaag ttattgtcgt ttgaatttgc tcagatcatc 300
 tgttttcaat ttcgagcgtc tcgatataata acgggagtcg atccgacatc cgagataaaa 360
 gttattgtcg ttggaatttg cccagagctt caattttcaa ttcgagcgt ctcaaaatat 420
 tagagcactc aatcggacat cttagttaaa agttattgtc gtttgaatnt gctacgagct 480
 tctattttca agtacgagca tctcgatata ctacgggtcc caatctgaca tccgagtaaa 540
 aagttattgt cgnntaaaat ntctaagagc ttatgttntc aatttcgagc gtcacgatat 600
 attacgggac ttaatc 616

<210> 8327
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 8327

tcttaaaact cactaaagaa gtcttgatgt tcctaccaa atgctattgc taaaatatga 60
 ggaaattttt ttgaaatatt attctatgat tccaaaaagg tacaagttct aacaagaata 120
 tattgggttaa tcataataac tttaagaata aaggagatat gtagatttgc gctaactata 180
 gtggtataaa actctcaggt aacaccatga aattatggaa aaaggtgatt gagcataaat 240
 taatagaagg gatgaggatt atcgggaatt aatttggttt tataccagga aaaggtttgc 300
 aacagtagct tacatacagt attattgact tggaaaa 337

<210> 8328
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8328

cacctgangc atcaagcttc tatagaaggt ttgttcttaa tcgctctacg attgcttcat 60
 tctctctatg aggacgagaa aaagaatgcg gcatttacct gaggtgaaaa actagaacaa 120

gcgtttgcta tgctcaaaga aaagcgact aaggcacctg aactagctct tgctgacttt 180
 agtaaaactt ctgagctaca atgtgacgcc tgtggagtgg gagtgatagc tgtattgtta 240
 cgaggtaagc accctatttc tcatattagt gatgaccttc gtagtgccgc ccttaactac 300
 cccacctatg ataaacagct ctatgcctta atgagagcac tccttacttg agaacattac 360
 cttgctatca acgaattcgc cattcataca gatcatcaag cacttactta cattggaggg 420
 caaagcaagg aagacatgat gcgtgcataa tgggt 455

<210> 8329
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8329

aaggggctat ccagtcgggt tcgtggatga ttgtgtgttg tttcaatgct cttttgagggc 60
 aatcaaaagc ctctttgcat ttatcattaa agtcaaactc cacctccttt tgcaaaaagt 120
 tggaaaatgg aagggctact ttgctaaaat ctcttataaa gcgcctatag aatcctgcat 180
 gaccaagaaa agatcgcacc tctcgcatgc aagatgggta aggcaattgt gaaataacat 240
 aaatttttgc aggatctact tcaatgccct tatttgaaat aatgtggcct aaaattatac 300
 cttgctcaac cataaaatga catttttcaa aatttataac aaggttagtt tcagtgcac 360
 tattcaaaac cttntccaga ctatccaaaa aaatatcaaa agaggatcca tatacagtga 420
 aatcatccat aaacacctct attcaatnnt ctaanaaatc actaaaaata ctgatcatg 479

<210> 8330
 <211> 703
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8330

aaagacaata cttcattcat aacatcaaat aaactagata gtcatccaca atattcaa 60
 aaaacatata tgaataatta aaaaaataa aacacaatac caaatgtaag tacataccac 120
 tagtcatata tcattaaagt aattaagttt aagacacata atcataaaca accaagagca 180
 agtcaatata atcataatgt tcagtcatac taagcaagta ttaaaagaaa tactaagtat 240

tcaaatgtca taaaaacata gtcaaataca aggottaaaa acaaaatata attataatct 300
 aaatatatta tcagagaatc aaaacttaat tctaagtaac aaaaattagt tatgaacaca 360
 tacatggtaa ctcattactt atctcgatta attaaccact agattttaag tatcaaataa 420
 caatcatcaa cacatatcat agtaattatt tactttaattc aattattcta acatgtcaaa 480
 acattnttta ttttttaaca gaatctaata atcttagaaa caaaacataa gcaattcaag 540
 cattaatcag atcagacaaa attcaattaa tcatacatat ttcaaattaa aactaaatat 600
 nagtatttaa acatttgtaa cacaatcaaa caattttcaa caattatttt ctattagcca 660
 caaaaacaac ttaactaaga atactaatca ttccttaatt cat 703

<210> 8331
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8331

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 agtggccaag gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagtcaa 120
 gatgtccaga ttgcaactat tggccacaaa attcgaaaat ttgaagatgg aggaggaaga 180
 gtgtattcat gacttcacaa tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
 agaaagaatg acagatgaaa agctgggtgag aaagatcctc agatccttgc ctaagagatt 300
 tgacatgaaa gtcaactgaa tagaggaggc ccaagacatt tgcaacatga gagtagatga 360
 actcattggt tcccttcaaa cctttgagct angactctcg gataggactg aaaggaagag 420
 caagaatctg gcgttcgtgt tccatgatga aggagaagaa gatgagtatg acctggatac 480
 agatg 485

<210> 8332
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8332

agcttttagt ttgaatataa gttttaacac atcgggttttt tttattttaa aaaaccgatg 60

ttaacataga atcgtaaca tccgttgta aaaaaaccga tggtaacata gaatcgtaa 120
 catcgatfff aacaaaaccg atgtaacat agaatcgta acatcaatff taacaaaacc 180
 gatgttacat acgtcatgtt aacatcgggtt ttcacaaaac caatgttaac gattctatgt 240
 taacatcagt tttttaaaaa accaatgtta ataaactggt tttatttaca agtatgccac 300
 tgtgtttgtg ttaacatcgg tttttagaa aactgatgtt aacctagtga tgttaaagt 360
 atattnttta gtagtctata tttgaaaaca aaaacacaaa aatggttaat taaattaaaa 420
 tttttt 426

<210> 8333
 <211> 581
 <212> DNA
 <213> Glycine max

<400> 8333
 acctgccga tgcaagcttc atcctcctct ttgtgacaat cacttgcttt ttctcatcat 60
 tgttttcagc atcatttccc aaagggactt ctcatgagt gacacgactt gtagtactag 120
 actttgttgt ttgtttttcg aataaattct cggattgagg cacaatattg atattgttct 180
 ttggtgcaac acttggtgtg ccaatggact tgtttctcac acttgatcatg cttctcaacc 240
 ttcctttccc taagtgatgc tgcgaagag agtaaccac caaggtttgt tggcaacacc 300
 tccatcctct cccatttaca cgactgcacc ttgaaccttc cattagtga ccaccctta 360
 cctcttctt accaacgttt tcttggtcgg gttttgttg tcttggtgc acctcttct 420
 cgatctctct tacctcttct tctcttctt tttctttgt gtcgtcttgc ctggaacatt 480
 tctgcgttat ctttgccttc attctcttcc gctttgttcc aaatctttgt tgcgctgtca 540
 tcattgtcat aataattgta tcatcttccg gtgcattctc g 581

<210> 8334
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8334

tttagctaga caactntnta ttactatgtt ttattttcta ttttttctt ccatcttatt 60
 cttttcttgc tgcgtctctt ttgtctctt tttttccatg agatattttg ctacctaaac 120

atacgtatat ttttgtgagg tattttgcta tatacatgcg tgtccaaggt atcttgctac 180
 ctaaacatac atatatatgt tttgtgagat atttttgcta tatacatgca tatccaaggt 240
 atcttgctac ctaaacatac atatatatat tttgtgaagt atttttccta catacatgca 300
 tatccaaggt atctttctac ctaaacatac atatatatatt tgtgagggtat gactaccttc 360
 cgagcttggtg cttgtttttat ttaaattcct aggatcatga gcaactaggt gtgtcctgct 420
 atgacttgag aaacaaaggt gatcaaataa caagcagaga tttaaaaggt actagggttgc 480
 ctccctagtag cgcttcttta acgtcttgag ctggacgctt gatggcttgt cggtcacgaa 540
 cctagcactt tgcatacttt t 561

<210> 8335
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 8335

tagagcttag ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct 60
 agagcttagc tacacacccc ctataatagc taagctcacc cccatgacaa aaaacatgaa 120
 aataataaaa aaaaagtcct tattacaaaag acaactcaaa atgccccgaa atacaaggct 180
 aaaaccctat actactagaa tggccaaaat acaaggccta gacgaaggaa aaacctattc 240
 taatatttac aaagataagc gggctcatac ttagcccatg ggctcgaaat ctaccctaag 300
 gctcatgaga accctagggc ctttccttgg atctctagcc caatctactt ggagtcttct 360
 a 361

<210> 8336
 <211> 519
 <212> DNA
 <213> Glycine max
 <400> 8336

agcttcaca catcattttt ctggttttgc ttctgaatag ccatttagca cctactgctt 60
 tctttccttg aggttctaga gttgtaaact ctataggcct tagatatatt aaagtatcca 120
 agtattattc cattatcaca cttagagtca aactttccca agttgtcttt aatatttaga 180
 atgaaacatt gacatctgaa aggatggaaa tatgaaatgt tgggctttca tcctttccac 240

agttgatgtg gagtccttct caaaataggc cttatataaa ttatgttttg taaataacat 300
 ggagtattca cggcttttagc ttgtaagtgt aaggtcatta agcatgggtc tggccatttc 360
 ttgcaatgat atattctttc tctcaatcac accattttgt tgaggtgttc tatgattaga 420
 gacaatatga agaattccat tttctttaca gaatagatga aagtattcat tctcaaactc 480
 tcgatcatga tcacttctag gtgaagtaat gcatactat 519

<210> 8337
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8337

agcttcaatg gatcttacat catgtggtat cagagcttct attaaataaa attaaattga 60
 atttctagaa gcccaatcca attaaatttt agagggggag gtgagcattt ggttactaca 120
 cctcattgcc acatttatatg gtcacacgtt gtgcatgtcc ttcattgcttt acatgcctca 180
 tgccacctaa gcacacttag tggagaatct tggaattgat cttggattag tgggctgaac 240
 cataactaaa attcactaat cataattagt gaaattttgt ctccaaagtt tgggtccaca 300
 aattcaattt caaattcaag tgaaatttga attgaaattc aaatttcctt ccaattttgt 360
 gtgacactta ggctataaat agaggtcatt tgtgtgcatt ttttcaactt tgatcatttg 420
 aaaaataaac tntagaattc aaagctctct tagagcacia aatttcgggc tcttctctcc 480
 ctctcccttc attcata 497

<210> 8338
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8338

agcttagtgc tcttcataaa aatcaaaant agntatttga aattacttct attttaataa 60
 caatattggt aaatatatag ggtaatatgt gatcaaatat ttggcgagac atgaaattta 120
 taatacatca ataattttga aataaaaaag gattaaaaca ttaataattt cgaagaggaa 180
 tgagtactta gattagaaaa agggacatta tttaagttaa aaaataattc ttatatattg 240

tcaaaaataa agttctatta cgtatacatg aatggagaca ttttaatttg taaatgacta 300
attattgccc cgattctttc gcttggattt catcatcctt tgggtctaatt aacttataaa 360
actaagcagt tgcaatcata tcctataatt acgccagcct gatgatcata ccattattgt 420
ttcttaggta ctaggtacca aaaaaaatat attgacagtt ttgagttcta ctcaaataa 480
attctacta 489

<210> 8339
<211> 507
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8339

cccatgttga atttgcttac aatagagctg ttcatagcac ttcttattgn tctccttttg 60
aagttgttta tggttttaac ccactaactc ctcttgatct tttgcctatg cctaattgtt 120
ctgtttttta gcataaagaa ggtcaagcaa aggccggacta tgtgaagaag cttcatgaga 180
gagtcaaaga tcaaattgag aggaaaaata aaagctatgc taaacaagcc aacaaaaggga 240
gaaagaaggt tgtcttcgaa cccggagatt gggtttgggt gcacatgaga aaagaaaggt 300
ttccgaaaca aaggaaatca aagcttcaac caaggggaga tggaccattt caagtgttg 360
aaagaatcaa tgacaatgct tacaaaagtg agctgcccac tgagtataat gttagtcca 420
ccttcaatgt ctctaattta tctctttttg atgcaaagtg agaaatcgat ttgaggacaa 480
atccttctca agaaggagag aatgatg 507

<210> 8340
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8340

atgttagact attgacaagt gtattaatat cgttactttt acagatttta agaagagata 60
gtctccagag agacttgagt tattcaattc ctctagataa aaataatcag tttaatagtt 120
atgtacaaat ttaatgaaat atcatggatt tgtctaacta acgaaagaaa actaaagcaa 180
cggaataaca aaaatgacga aatttagtgt gtcagaaata cgtaaaatta agaaaacaat 240

aataacaaat ttaattaatt caagaaaaaa ttaggattgg atttcatcgt tcataccctc 300
aatatcctaa taatattaac atatatgaat catttttctaa cattattgat gcacacatta 360
aattaccctg aatcgacccc tcgcactcga gaatcctaag aatatntacc gaatatcgat 420
ccctcatata tgaaataaat atctcaacat tacaatcata atctcgtgct acttgcaatc 480
aaaatgttat g 491

<210> 8341
<211> 383
<212> DNA
<213> Glycine max

<400> 8341

agcttgtcaa ggattaataa acaaccttta ttattcatat ctatgtaaat gaaagactag 60
aaagtcattt gggtgtcaat gccattatta tattatcttt aaaatgagaa taacaaattg 120
caaaagaaaa cattatcaaa agaataaaat aaatgatatt atgatatttt atttaaaacg 180
aggaaaaata taattatctt ctcagtagct atgaaaaagg aaataaaata tttcatcaga 240
attaagaaaa atataaatag cactgaaata ttatttatta tctctaaaaa tcaaacctta 300
tcaataaaat aaaagcaatt actatagtat tataaaatat aattttatac taaaaaaata 360
tttgaaaaaa ccaggggtaa cct 383

<210> 8342
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8342

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
ttcacccgac gaagacactg acaaaaactt atcttctcct tcttgacaaa agtatggcag 120
gctgggggca agtaaatattt cttcccatca gaccttgat gcaactgtga tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccatacctcg tcttgacctg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcactcta ttacggaaga tcaaagaana gtggacctct tcttccatat 360

gcaactctga ctattatcct tcttttgggt cttccaaata cagtgttcag gtgttgaacc 420
 tgctgatata cctgctcacc agagaatggg atccgcacaa tatcatgctc ttgacttcat 480
 taaaagcttt c 491

<210> 8343
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 8343

ttcgcgcgtc tcgatatggt accgggacgc aatgattaca tcccagtaaa aagttattgt 60
 cggttgaatt ggctgagatc ttcaacaatt aatttccagc gtctcgatat gttacgggtac 120
 tcaatcagac atccgagtaa aaagttattg tcgtttgaat taactcaaag cttcaacatt 180
 caatttcgag cgtctcgata tattacgagc ctcaatcaga catccgagta aaaagttatt 240
 gtcgtttgaa ctagctcaga gattcaacat tgaatttcga gcctctcgat atattacgag 300
 actcaatcag acatcccagt aaaaagttat tggcgtttga ttggctgaga tcctcaacaa 360
 taaatttcca gcgtctcgat atgttacggg actcaatcag acatccgagt aaaaaagt 418

<210> 8344
 <211> 557
 <212> DNA
 <213> Glycine max
 <400> 8344

gcttgtatta agaaaatata atacaaatac taaataactg ggtaatttct gttatgacat 60
 tgaaataaaa caataaattt tgatgatgaa gatatgagga ttttgtaaag aaggttgatg 120
 gttatttatg taaaatcttg aaaattagag ttggtttggg agtgaatata aaattattgt 180
 agatttaatt ataatccttt aagcaaagt ataaacaaag taacaactct ttaaagaata 240
 cacatatatc acagataatt acaaattatt aatgctaagt aaatagggtt aaattaaatc 300
 ttgaatttat ttgtttcatt aagcacataa actcatgtgt taaattaaaa taatttatga 360
 atagctgac tctttttatac tgctacgtac tactcataac aaaaaatact gctacgtact 420
 acagccattc atattttacac tttatattct ttactttttt ttagcttgaa ttaatttatt 480
 atgaataaat atactggtaa gttaatatat gtgagaatat tctgtgtaaa aaaaatatcg 540

aaaagtaagt tttgatt

557

<210> 8345

<211> 489

<212> DNA

<213> Glycine max

<400> 8345

gctcgcccggttccttgcatgtgtgtgagtg ggtaacatcc ctatgtgctt tccctttgaa 60

aacctgtcga cgacgacgaa gatacacgtg ttgcctttgt aagaaagtaa tcccacgata 120

aagtccatgg ataaatcttt ccatggctgt accggtatcg gtagaggact caacaaccca 180

actggttttc tgttatcgta ttggttacac tggcacgtta agcatcctgc tatgaaggca 240

cgagtatcat ctctaattgga atcccatgta aagttttctt gtaagcgatg aagtgttttt 300

tgaatcccca tgtgaccacc tgtcggagat tgggtggaatt cttctagtaa caacttagtg 360

aaggagggaat tcgagggaat ccaaattcga cctctgtgta agatgaaatc attagttaac 420

gtgtactctg ggtgtgcttc ggggtcatct ttaatcttac gatataactc catgaaagct 480

gggtgagat 489

<210> 8346

<211> 507

<212> DNA

<213> Glycine max

<400> 8346

ccgccctcaa aagaaaacaa agcaaaagga gaaaattccc gatctattta taggaagaaa 60

gaaaaaggag aaaattccca attaaagagt gggagaaagc aaaaaagaaa gaaaattccc 120

gatcaaggat cggaagaaaa caaaagaaat atgcagaaaa ttctctggac cagacaatat 180

ctgaacaata cagaattgtc accaagtaaa caagaaaaga aaggaaacca cgaactaaag 240

tggtcctctc cctttgattg ccaacaaaaa tcctgtgcgt cagtgacttg ttgcctcac 300

actaaacaaa aacagaaaag gaaaaggcca aaaacactca aagccaaatt tcccaacaaa 360

aaaaacccat tccgaagaag aagtcctatt gatccatgat cacgcatgta atctttgatt 420

tgataggaga tgatttgcaa aatcaagtca tgacatatct atggttcgga attaggacga 480

aacactactt cgagtgattt atttcta 507

<210> 8347
 <211> 536
 <212> DNA
 <213> Glycine max

<400> 8347

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agcttttggc acaaaaaaga agaagaagtt caaagagtat tctatgtctt gtttaggatc   60
gcgccagatt gattggaaaa gtatattgaa aagtaaacca aagccttgct tttatagact  120
cttcatgtct ggccaagagg accattttaga agagttataa ctttttagaaa aacttaaaac  180
caatttgaaa aagtcaaaaa accatttgaa gagttacatc ttttgtgtga ttcagaaaca  240
ataactaata atcgattacc aaatcagtgt aatcgattac acaaagcttt tatgtgaaag  300
gatgtgactc ttcacatttg aatttgaatt tcaacgttca aaggcactgg taatcgagta  360
ccaaaacatt gtaatcgatt acagctgttt gaaatcaatt gaaacgttgt caattcattt  420
gaaaactttg tcaaatccat tttgctattg gtaatcgatt acaacaatct ggtaatcgat  480
taccagagag taataactct ttggtaaaca tgttttgaga aaaatccatg tgctac     536
  
```

<210> 8348
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8348

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ntagctgtga cccaaggct tcatgtagac tgggccattt tctctaagtg aacctcggat   60
ccctgtcaga tacaatacta gaaggaattc catgcaacct tattacttcc ttgatgtaca  120
actccactag cttctccatt ctatacttca tattcactgg gataaaatga gcagatttgg  180
tgagtcgata tactataacc cacacagcat catgtccacg actagtcttg ggtaaactag  240
atacaaaatc catagatatg ctctcccatt tccattctgg aatttccaat ggcttcaatt  300
ctcttgatgg tcgctgggtgc tcaaccttag ctttttgaca tgtcaaacat cttgctacat  360
attcagctac atctttcttc atgccatgcc acccaaaaac tttcttcaaa ttggtacat  420
cttaatcatt cctggatgga aactaagacg aactttatgc gcatcagata     470
  
```

<210> 8349
 <211> 467

<212> DNA
 <213> Glycine max
 <400> 8349

gactctatatt aatactcaag ccttgatgca acatttggag aggttaatga aacaacgata 60
 ttatatttctc catgagaggt tggatcaaat ggagaataga gatcataatg aagaacaaag 120
 gaggagaaga gggaatgatg gtgttcctag acaaaaccga attgatggta ttaaactcaa 180
 cattcctcca tttaaaggaa agaatgatcc ggaggcctac ttggagtggg agatgaaaat 240
 agagcatggt ttctcatgca acaactatga ggaggaccag aaggtgaagc ttgccgccac 300
 ggagttttcc gactatgctc ttgtgtggtg gaacaagcta caaaaggaga gagcaagaaa 360
 tgaagagcca atggttgata catggacgga gatgaaaaag atcatgagga agcggtatgt 420
 gccggctagt tactcaaggg acttgaaatt caagcttcca aaactaa 467

<210> 8350
 <211> 566
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8350

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 agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
 acatacctct ctaatagcta agctcacctc cttgagatga gaaggtagaa cttagctaca 180
 cacccttat aattgctaag ctacccccca tgacaaaaaa catgaaaata caaaaaaag 240
 ttcttactac aaagactact caaatgccc caaaatacaa ggcgaaaacc ctatactact 300
 agaatggcca aaatacaagg cgaaaacgaa ggaaaaacct attctaatat ttacaaagat 360
 aagcgggctt atacttagcc catgggctcg aaatctaccc taaggctcat gagaacccta 420
 nggccttccc ttgatctct agcccaatct acttggagtc ttctacccaa tgcccttgcg 480
 ggataggatt gcatcanact ttacatgact ggatcatgta gcagtcaggg caatccatac 540
 aaatattaaa taatcaaatt ttatga 566

<210> 8351
 <211> 505
 <212> DNA

<213> Glycine max

<400> 8351

gcttcgcctt ctaattcaca aaaacatggt ttcattgcatt gtaccaatat ttctgagatt 60
aatcacaaaa ttttaagaatt atcatatctg taaaacacaa ttctggcaaaa ttcattcattg 120
gtgaaaaggg gaaattgtta cgaacatcat aacaaaaaat ttgtcccttc aaaataaaat 180
taaacttatt tggaattttt caaccctgtc aaatcaagga aaaattatac aatagaagga 240
agagagagag ctactcccc ttactcga aatatgattc ccaaaggcaa gactgttg 300
aagttgctac aaatttctag aatattctta aatataatat gtatgaatat ggtagaacia 360
tctacaacta tagtgtatat gaatatggta gaacaatcta gaactataat gtgtatgaat 420
atggtagaac aatctagaat cataagtgt tgtataagat agaagagtct agaattatca 480
tgataactaat ctatcatgaa aactc 505

<210> 8352

<211> 515

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8352

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actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
tttctggctt cagcaggggt catgtctcca agggctcaac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
tgatgggtgg ggcaactggc acatagtttc ttaaactctt cccagtactc atacaggctc 300
tctccactga gttgtctaata acctgagata tccttcctaa tggctgtggg cctggaagca 360
gggaaaaatt tttctaagaa tactctctta aggtcatccc agctcatgat ggaccttgga 420
gcanggtaat acagccagtc ctttgccact cctctaatg aatgaggaaa agccttcaga 480
aatatgtgat cctcttggac atctgggggt ttcatt 515

<210> 8353

<211> 500

<212> DNA

<213> Glycine max

<400> 8353

tccaagttca ttaatcatac ctttaagcca gattgtttct ttcactcctt cagctagggc 60
catgtactct gcttcagttg ttgaaagagc aacaactgat tgttgatttg ctttccaact 120
gattgttgta ccaaacaaag taaacacata tcttggttaa gatttccttg tgtctacatt 180
tcttgcaaaa tctgcatcta cataacctgt gattgctgcc tcatatgctg tcttcttgta 240
ccttaatcca actttcgaag atccatttag ataccttagt gtccacttca caacttccca 300
atgtgcactg ccaggatctc ccatgaatct gcttataata cttacagcat gagctaagtc 360
aggctctgcta caaaccattc catacattat gcttccaaca cactggcat aggggtgttg 420
atccatttta gaccttctt cagttatttc cagtgtttga ataacagata actttgtatg 480
atggccaagt ggtgtgtaac 500

<210> 8354

<211> 542

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8354

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gaatgtatgt atacatgatt ttgttagtgc ttagctttac tgagctttaa aagattggct 120
aaaattttgt taaaacataa gcacttagac aatgaaggaa agctggagtt gctgcacatg 180
atgtccaacg ttatgtcaag gaatcagatc gggctgcaca atgcacaaag caagatataa 240
tgtcaaatga agaattgaag ctgcacgatc cagcatgtcg gatacaatgt ccaggacatc 300
ctgcccgaag atactggaca cataaatctg ttatatcttt aacagattaa tgtgcactta 360
gcaacagatt taagcgatct atctttatga acgaattaaa agataattaa agttcgaatt 420
acaaacttga atagttcggt cagggattag agattaaaga taaaaactga aagatcaaac 480
ttgatctttt atatctttaa gtgcagatgt tcaggagaat gatagatctc atccagcgca 540
ag 542

<210> 8355

<211> 498

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8355

atctttggcga tatcagggta catatgcttg atgacttttag tgagaacacc aaccttccac 60
gccttcttta agtcatgtgg tttcttgtaa ggtggagggc cttgatcttt aggtagacca 120
atcttgaggcc accattcttc attcccagtt ggccaccatg gtggagggaac acccttctct 180
agtgggaacc tcctctgagg aggatcacag tgctgcataa gtgctgacaa gagagaaccc 240
aaggttgtgt cctgtaactc ttgcaaggtg tgtggtgtag gaccaatgga attgcatcca 300
tcattctttc caggaattgc attatcggct tgatacttgg ctatggcagc aggaccattt 360
cgatcaaacc tgaccttata cttccaccat tcgcgaagat tatctgatgc tccgggtcact 420
ggctttccct tcttaagatt taccctatan acaaaccctt gtgccttgca nacctncatt 480
atcttcagca tgtacttc 498

<210> 8356

<211> 413

<212> DNA

<213> Glycine max

<400> 8356

agaagaaatc aaaaagcaac aagtcaaaac ttcatatatg atatttattt aaagattttt 60
tcaaaaacca aatagcacca ttttgtttta caaaagaatt ttctcaaatt ttctaaagtt 120
accagagtga ttactctttg gtaatcgatt accagttggc agtaatcgat taccagtgc 180
cagattgggt tttaaaatgt tttcaaatga tttgtaacgt tccaaaatta ttttcaaata 240
gtataatcga ttacactata ttagtaatcg attacaagtg aatctaaatg ttggaattca 300
aatccaattg tgaagtcaca acttgtcata aaatacatta tgtaatcgat tacaccattg 360
gggtaatcga ttaccagtga atagttttga agaaaagtta agagttataa ctc 413

<210> 8357

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8357

agcttgcttc aaccctgaat aggccttccc agttgttttc tttctttctc gctcagggat 60
 ttttccttgc ttcacctcgg actcgccata ctaagttgcc aggttgaaaag gctcgagggt 120
 gaacctttgt attatatctc cttgatgctc ggagcttggt ggcttcttcc ttgattttgg 180
 acatcttttg gacttcgtct tttgtctcta gttccaccag catgttttct tcgttttggt 240
 gttcctagaa caacgggtctc cttgtcgacg gttccctaata ttaaatgggg atcatggcgc 300
 ttgtgtctta tgtgagttgg aaaggatttt tgntgggtatt tatttggggg tgaatagtga 360
 taagcccaca gtataacttg gagttcctcc ttccatagac ctttggactt gttgtgcgct 420
 tatcaatttt ttgacattta ttgtttaatc gattacccca tgatatagtc tagtaacatt 480
 tattgcgtct atgggttttat 500

<210> 8358
 <211> 579
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8358

tgagtaattt gttcttattt cttaccacat agatattggt atgggtggag tatggaatag 60
 gagtgc aaa ctaatgaatt ggataatttt tttgaattga aatggatagc caatccattt 120
 atgatccatt aataatgtat tgcaaaaatc taatttatcc ataacttatt tcatagaaaa 180
 aggtccatcc atttatattt atttttttca aaacaatatt tttctaaaac aaagtttaat 240
 atttgtacac attcttacac tgaaatacca tagaatccaa tatttgtctc ataaagacct 300
 atgtccaagt aatgaacttg gaactacttg attcactgga ttgcaaaata tgttggatgg 360
 ttcattatct atccaatacc aaatggtaat ccaattcaaa taatgtatta agttttattt 420
 ttataattga atagattgat tggttgattt atacttgatg gattggactg ttagtggata 480
 aaaagattga attgccacat atngtaatga atactaattt gccatagggt atggaaaaca 540
 tanactgtaa ttgtttttgt acttttaggta aaactatat 579

<210> 8359
 <211> 631
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 8359

tcctcggggc cattcctgcg aaggcaaaca ttgggtaag ttatttcaca agaaatataa 60
caatcattac aaacaagggc caaacaacac ttctcatggc acgagtgtca acatgcactt 120
tataaaataa tcatattggg gtcatgctat ttatgacac atacgtattt gcacacataa 180
aaattttgta tgaagcattt tacgacacct atccatgtac atattttttt tgacaaacct 240
tttcatgcta cactctatat atatacacac attttttggg aggccttctt tgttacctac 300
tcacaaatac acctattttg aaaaacactt ttacgctacc catccaacac ttgtgaaggc 360
acttcatgct atatatattc atattatgca aggcatcttc atgctatata tatccatatt 420
atgcaaggca ttttatgtaa ctctcttgca cgcattttat tcaacatttt gcaaggcatt 480
tccatgctat atatatattc atatacat accgttgaaa gtatttttca tgctacctan 540
gtgcaaggta ttctcatgg ggcagccaaa tttaaattct aataacacct ctcaacatgt 600
ncaatattca tgcctttttt cattcaaacc a 631

<210> 8360

<211> 587

<212> DNA

<213> Glycine max

<400> 8360

agcttttagat gccttttaaag tttttaatgc tgaagtttag aaacaatgcg gaaaacaaat 60
taagatcgtg agatcagata gaggtgggga gtactatggt agatacacag aggatggacc 120
agcaccaagt tcatttgtga aatttcttca agaacatgag attgttgccc aatacactat 180
gcctggttct tcggatcaga atggtgtggc agaacgaaga aatcgaacct tattagacat 240
ggtgagaagc ataaagagta atgtaaagct tcctcaattt ttgtggattg atgctcttaa 300
gacggctgcg tatatattaa actgagttcc aaccaaggct gtctcaaaga caccttttga 360
gttattcaag ggttggaac caagtttgcg acatatacgc gtttggggat gcccgctga 420
agtaagaatt tataatccac aagagaagac actagacct aagactatta ttgggtattt 480
cattggatat gctcgaaggc ctaaagggt taagttctat tgtccatccc accacactat 540
gattgtggaa tcaacgaatg caatatttct tgaaaatgac ttgatca 587

<210> 8361

<211> 391
 <212> DNA
 <213> Glycine max

<400> 8361

gcttgagcca acaacctctc taactactgag agactttttca atatttttctc acaaggagag 60
 ggatgcagcc ggctttacca accattttct tcatgtctgt ggaactgcaa gcgcagcata 120
 tcgcagccgc aactgcttgc tgagcaccta atgatccgga ctataacaca tgagtcagac 180
 tggggatcaa accgagggaa accaaggatt cctaaggagac taatacaacc agttttctcaa 240
 tgctccaacc acagattcct gaggaagtgg accatcaaga taagccagaa gactcctaac 300
 accaccttgt gatatgacac atattcttac atactcattg cttgcagcga ggttctgcaa 360
 gcactctgca gcatgctctt tggaacctaa c 391

<210> 8362
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 8362

tggactagcc agtgatggaa tgaatccaaa ggcgttttaa tttctctaca cagttcatgg 60
 ccaggtctag aaatttatag tttgcttcct tggctgaaaa tacatgatgt tgtctatgat 120
 gatataaggc ccaagacagc caggaaatga cattgatgtt tatctaagtc cgctgattga 180
 agaccctaac aaagttgtgg gacaaggggg ttttagtggt tgatggggtt tgaaataaga 240
 cttttcaaat gcgtgcaatg cttttttgta ccattaatga ctttccagca tatgggaatt 300
 tgagcggtta ccgt 314

<210> 8363
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8363

tatgctgcat gaattaggcc aaataaatct tcataaatga tagatagtgt gatcattcta 60
 ccagtgcatt aaaggcccat cccaatttat cactctgcac tacttggttac atgtgttaag 120
 ttttcgttta atgagcgtac tataggcaaa ggtgctgaaa ggcgtgccta agccactgag 180

gcatggtgca tgaagctttt tttttctttt ttttaatcat tttatgcctg ctatcttttc 240
aatgagttgt gtctatcaag ttaatagtgt gttgaactta tttatttatg cttgggtattg 300
tcgngcatta cagccttcgg acattatttt cttactttca ggttttgtct gtgacattgg 360
atgaatggtc aagtgatgga atagatgcaa tgatttgaaa tggacgaaat tcttctgcta 420
attcaatata tgacgcttat ttt 443

<210> 8364
<211> 362
<212> DNA
<213> Glycine max

<400> 8364

gcatgcaagc ttcaacatca gaccacttcc tgtgtgctgg aactttttca catggacttg 60
atggggccta tgcaagccga aagccttgga ggaaagaggt atgcctatgt tgctgtggat 120
gatttctcca gattcacctg ggtcaacttt atcagagaaa aatcagacgc ctttgaagta 180
ttcaaggagt tgagtctaact attcaaaga gaaaaagact gtgtgatcaa gagaatcagg 240
agtgaccatg gcagagagtt tgaaaacagc aagcttactg aatactgcac atctgagggc 300
atcactcatg agttctctgc agccattaca ccacagcgaa atggcatatt tgaaaggaaa 360
aa 362

<210> 8365
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8365

tcaacatcag accacttcag ggggctttta ctactttctca tggacttgat ggggcctatg 60
caagtagaaa gccttggnng aaagaggtat gcctatgttg ttgtggatga tttctccaga 120
tttacctggg tcaacttttt cagagagaaa tcagacacct ttgaagtatt caaagagttg 180
agtctaagac ttcaaagaga aaaaaactgt gtcatcaaga gaattaggag tgaccatggc 240
agagagtttg aaaacggcaa gtttactgaa ttctgcccac ctgaa 285

<210> 8366

<211> 353
<212> DNA
<213> Glycine max

<400> 8366

agctttgaat gctctattca atgtgttttg acaagaatat cttcagactg atcaacactt 60
gcacagtggc caaggatgcg tgggagatcc tgaaaaccac tcatgaagga acctccaagg 120
taaagatgtc cagactgcaa ctattggcta caaaattcga aaatctgaag atgaaggagg 180
aagaatgtat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcaactgct 240
tgggagagaa gatgacagat gaaaagctgg tgagaaagat cctcagatcc ttgcctaaga 300
gatttgacat gaaagtcact gcaatagagg aggcccaaga catttgcaac atg 353

<210> 8367
<211> 233
<212> DNA
<213> Glycine max

<400> 8367

atcccctact tttgatgatt gtcaagaatt actaatcgtg ctttgaatag atctacactt 60
ccatcaattt tatgctttat tttgtacacc cacttgaagc caagtgcttt ctttcttaga 120
ggcaattgtg tgactgttca agttccattg gtttcagggg catgtatcta actttacact 180
gtatctctcc atcggctatc tttcaccgcg tcagtataag tgacaaactt ttt 233

<210> 8368
<211> 345
<212> DNA
<213> Glycine max

<400> 8368

agcttgtgtt tcttcacgtc tagtttatga atgtagcata tagatccaaa gacccttagg 60
tgctttgctg atggcttctt cctgttccaa gcttcaattg gagtcttgct ttttacagac 120
ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180
ttaggtagtc ccttttctct gagcatcgat ctagccatct ccataactgt gtgattcttt 240
ctctcgggca ctccattttg ttgaggagaa tatgcaattg taagttgtct ctcaatgcct 300
tcatectcac aaaatctttc aaactcgcga gaggtgtact ctttg 345

<210> 8369
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8369

agctttacta ggcttgagct cggtttgagt tgaatatgca aggcttgagc ttgactcatt 60
 acctatcata ggctttttta aaggctcgac ttggcttaca taaaagcctg gcttggccta 120
 cgagcctatt taaaagcttg cttaaagatg tttttgatca attaattatt ttaaacctag 180
 tgaaatacta actaaaaaaaa cttataaaat ttcatataag taatgtacaa atccaaaaat 240
 aattgataaa taaaatcata ttgaattcaa gtcgttaaaa taaaagtat atcaaaaagaa 300
 aatgaaaaaa cagagcataa tattaataaaa tgtatggatt ataga 345

<210> 8370
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 8370

tgtaccggtt gacaatggtt tcagagttag atggtgtggg attgaacaag caacaattca 60
 ccacaagaat ccaatgtctt tggcttcaac accggttttc tccaagagct cgtcgacggc 120
 cccgaagagc accgtgtccg tctcttctct tgctctctcc aacgttagtc tgggagggat 180
 ctccaggaga ccctccggga catacgtcca cggccccaac cgggaccggt caagaatctt 240
 gttcacaagc ttgtagttct cgtcggagag gaaaccgacg cgtttcgccc ggtcgagcaa 300
 catttccttg 310

<210> 8371
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8371

agcttgcaaa cccatggaag ctcttaatat ctccacact ttttgggggtg ggccattctt 60
 ggatggcctt gattttctca aggtccactt ggacccatt tctaccaact ataaacccta 120
 acaaaactat attatctata caaaaggtag acttctctat atttgcatag aggggtgttt 180

tcctaaggac tgaaagaact tgcctgagat gtcctaagtg atcatctacg ctcctactgt 240
 aactataaat atcattaaaa taaacaacta caaatatacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgtttggtg cattagttag cccaaa 346

<210> 8372
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 8372

agcttcgtgg aatgcttttt agataaaata actcgctcta aaataatcta ctattggtag 60
 atttaatcta ttataagtac ataccctatt tttctctatt ctactgactt atttaatata 120
 tattgcgata acatataaat gtataaaaaa atattcttgg atgccttaat tgctttaatt 180
 tatgtcatac aaataaataa atttcttcaa ttactttaat ataattataa atttggtttt 240
 tcgatgaaat gtgaatattc tcacaaacgt ttggcccata tcacttatcg ggtaattta 300
 tgatctgtgt catacttaaa gttttttacc tctt 334

<210> 8373
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8373

ttgaagggtc tgaggattat gaatgctgtt aatacacttc caaggcatgc aacacctact 60
 gtgagcnnat ggaataattc atgaggtaac gacaccttat acaacacaac ataatggctt 120
 ggcagaacga agaaatagaa ctatccttgg catggcaatg agcatgttga agtagaagaa 180
 gctacctcat tcattctggg gaaaagttgt gagcacaaca acttatctgg tgaatagatg 240
 tcctactaag agattgaaag agaaagtccc aaaaaagggtt tgggtctggaa gaaagccatt 300
 ggtt 304

<210> 8374
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 8374

agcttatagc cccgagagca tttgtgttag ccaacaattt agccgcta at tgttcttgaa 60
tccatatttc tttcatgcgg cctataaggt tatgcctcag tcggacaacc ccaa atatgc 120
aagtgtttaa tgctgggctt tttgtcagtc caaagttcat aaggggtttt gttaactgct 180
ttacttggca ccctattaag gatgtaagtt gtggtcttta aggctcctct ccaaagcgac 240
tctggcaaag aagaatgact aaccatactt ctcaccatat ccttaagagt ttggtttcat 300
cgttctgcta caccattcat gctaagtatt cctgacatac tgtattgtgg aacaa 355

<210> 8375
<211> 317
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8375

taagctcctt caactgcaca aagctcttta tgttttttaga gtatccttgt ggaaccttca 60
cccgacgaag actctgncaa aacttatctt ctcttttttg gacaaggat ggcaagctag 120
gggcaagtaa attttcttcc cattagacct tggatgcaac tgtgatcgta tgcccatatc 180
agctagatct tgacaggat tgaagccatc cttcatcttg ccttgaatgt taaggagagt 240
cccaatcaca ctatcacaaa catttttctc cacatgcata acatcaatac aatgtctaac 300
atcaagatca gatcagt 317

<210> 8376
<211> 368
<212> DNA
<213> Glycine max
<400> 8376

agctttgagc aaattcaaac gagattaaat tttgactcgg atgtccgatt gagccctgta 60
atatatcgag acgctcgtaa ttgaaaactg aagctttgag caaattcaaa cgagaataaa 120
ttttgactcg gatgtccgat tgagccgtaa tatatcgaaa cgctcgtaat agaaaacgaa 180
agcacgtagc aaattcaaac cacaataaat tttaactcgg atgttcgatt gagttctata 240
atatatcgag acacttgaaa ttgaaaacag aagctctgag caaattcaaa cgacaataac 300
tttttactcg gaggtccgaa tgaatccgt aatatatcta gaatctcgta attgaaaaag 360

gaagctct

368

<210> 8377
<211> 349
<212> DNA
<213> Glycine max

<400> 8377

agcttgatca aaacaattat ctattcattc caatccactc aaatcatata attgcttatt 60
caaatcattc tcaaacattc atttcatgca aaacaatcca ctgcatatca ttttcaatca 120
attcactatt caaacacgct ttaggtacaa gcaaacaact caaagtgtg aaatttaaata 180
aactgaaatt aaaataactg aaatatgaca acgaaatcag ctggaaatat aaggtgttta 240
accttcacca aaacatcttc aatgactcca tatggccttg tgatggagcg gtcaactaac 300
tggaggggtca tgcgtgtggg cattatctct atctctccaa gtcgctggc 349

<210> 8378
<211> 309
<212> DNA
<213> Glycine max

<400> 8378

tcaatggctc aatgagcatt gggaaatatt tgtcaatcaa caagtaaaga tacccttttc 60
tataagagac tctgtgatga agttttatgt gatataatcc ctatggaagt agagcacatt 120
ttgttgggta gaccgtggca atttgacaag aaagcaatcc acaatggctc caccaatgaa 180
ataaccctca cccatggaag caaaaagttt aaacttgttt ccttgacacc ttcacaagtg 240
gttgtggatc aagtacgaat aaaaatcaaa tgggatgagg aaaagaatag aaaaataaaa 300
gaagaacat 309

<210> 8379
<211> 312
<212> DNA
<213> Glycine max

<400> 8379

ttcgagtaat acaaattggtt ataacttttc aactgagct ccgattcagg cttacaatat 60
attgagacgc tcaaattaaa catcggaagc tctcgagaaa ttcaaattgt cataacattt 120

cacccggatg tcctatccag ggcgatcaca tatagagacg tacaaaatta tacaacggaa 180
gctttcaaga aattcaattg gtcataactt ttcaaactga ggtccgattc aggcttataa 240
tatatctggg cgctcgaaat tcaacagcga aagctcttga gaaattcaaa tggtcataac 300
ttttaactca ga 312

<210> 8380
<211> 331
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8380

agctttttcac cagcagtggc agatccttca agatcctcag aggagagggt atatgagggtg 60
gtgttgaaac aagccgcact ggtcaaggag aagaataagg gcaccaagaa agcactgaat 120
ttacacaaac caacaggtga aggtgattta acccatgggg atctgttgag tgctgcttat 180
gatangtgtg gtgaagtctg tgctgaatat gccaaagacat tntatcttgg tactctctct 240
ctgtcctggt ttaggcctta ttgtttttct taatcatttt cccttgatcc aatgagtttt 300
tgcgcattct tttaaagctc attataatat c 331

<210> 8381
<211> 356
<212> DNA
<213> Glycine max
<400> 8381

agctttatgc acctttgagc ggttttcctc tactcagttg tatccagtgt ttctttcta 60
gctcattaag aaacgaaatg caaaatgtct taatctcatt attggttaag agaaattcta 120
tctttgtgct ttcatcctc attcttccca ttattttttt ggaaaaaatg tgtgttggtc 180
tgatcggttt ggggctttgt ttctttacca tgcgtgcttg catttttagtg aaagttttca 240
gaaacttcaa ggtcttcagt cttttacatt cacaagaatt caatgtcttc tgccttttac 300
atttcaaata cttaaagtc ttttatctta tacatttaca agacttcaat gtcttt 356

<210> 8382
<211> 358
<212> DNA
<213> Glycine max

<400> 8382

agcttttggg gaggaattta gggtttcaaa tcctacatta gagactgaca cggttatgga 60
agttatttgc tggttttgaa atgcttgata tctataatgg gtattttatg attaaatttg 120
atatgtagga agacggaaca aaagtgatga aggagggcct ctggatgggc tttgatcact 180
atctcacggg caaaacatgg aatccagact ttagctcccc ggcggaaaaa actaacaaaa 240
ccctgggatg gatacgttat catgaacctt gtttattatg acgaaagtat tcttttggca 300
ttggcatcag cagtaggaca ccctatcaaa gttgataaca atatgaaaga ttttcgga 358

<210> 8383

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8383

gtcagcttct agatatatta tgcgctttt cattcttccg tttcaaaagt tatggccata 60
tgaatttctc gagagcntcg ttgctcaatt tcgagcgtct cgatatagtc tgcgcgtaa 120
tcggacttcc gtgtgacaag ttatgaccat ttgaatttct cgagggcttc cgtttttcaa 180
tttcaagctt ctgatatat tatgcgctg aatcagactt tcggttacaa aagttttgac 240
catatgaatt tctagagagc ctgccttggt caatttcaag cgtcctgata tatcatgcgc 300
ctgaatcgga ct 312

<210> 8384

<211> 333

<212> DNA

<213> Glycine max

<400> 8384

agcttcttgt atatattatg cgctgaatc ggacttccgt gtgaaaagtt atgaccattg 60
taatttctcg agagctgtcg atgtttagtt tcgagcatct ggatatatta tgtgcctgaa 120
tcggacatcc gtttgacaag ttatgaccat ttgaatttat cgacaccata cgttgttcaa 180
tttcgagcgt ctgatatat tatgcgctg aatcggactt ccgtgtgaaa tgttatgacc 240
attttagttt ctgcgcagct tccgttggtc aatttcaagc ttctcgatat attatgtggc 300

tgaatcggac ttccgtttga aatgttatga cca

333

<210> 8385

<211> 312

<212> DNA

<213> Glycine max

<400> 8385

tctggtggga catcttgact tgctttccta tctgacattc accacagatt ctgccttctt 60

ctattttcag atgggaatgc ctctaacagc acctttgtca atgattttct tcatgcctct 120

taagtgcaga tgtccaaatc tttgatgcc aattttgact tcatcttctt tggagaatag 180

acatgtggag gagtaactgg tttcttgagg tgtccatagg taacagatgt cctttgatct 240

gctgcccttc attaggactt cactcttctc atttgtcacc aagcattctg actttgtgaa 300

gtttacattg aa 312

<210> 8386

<211> 304

<212> DNA

<213> Glycine max

<400> 8386

ttgagcaaat tcgaactaca attactttta acttgatgt ctgattgagt cccgtaatat 60

atcgagactt cgaaattgaa tgttgatggt cgttgcaaat tgaaacgaca ataacttttt 120

actctgatgt ctgattgagt cccgtaatat atcgagacgc tcgaaattga atcttgatgc 180

tctgagcaaa ttcaaacgac aataactttt tactcggatg tctgattgag tcttgtaata 240

tatcgagacg ctcgaaattt aatacgaag ctatgagcaa attcaaacga caataatttt 300

ttac 304

<210> 8387

<211> 328

<212> DNA

<213> Glycine max

<400> 8387

agcttcataa ttcaatttcg cgcgtctcaa tagattacgg gactcaatca gacatccaag 60

caaaacatta ttgtcgtttg aattagctca gagcttcaga attcaatttc gatggtctcg 120

atatattacg ggtctcaatc agacatctga gtaaaaaagt tattatcggt tgaatttggc 180
gagagcttca acattcaatt tcgagcgtct cgatgtatta cgggacttaa tcagacatcc 240
gagtaaaaag ttatcgtcgt ttgaatttgg tcagagcttc aacattcagt ttagagcgtc 300
tcgatatatt acgggactca atcagaca 328

<210> 8388
<211> 310
<212> DNA
<213> Glycine max

<400> 8388

tatgctgcaa acatttacat tagaccttct caacctcagc agcaaaatca accacaacag 60
aacaattatg actctctagc aacagatata accctggatg gaggaatcac cctaattctca 120
gatggtctag cccttagcaa caacaacagc agcctgctcc ttccttccaa aatgctgctg 180
gcctaagcag accatacatt cctcctccaa tccaacaata gcaacagccc cagaaacgac 240
caacagttga ggctcctccg caaccttccc tcgaagaact tgtgaggcaa atgaccatgc 300
agaacatgca 310

<210> 8389
<211> 354
<212> DNA
<213> Glycine max

<400> 8389

agctttaggt tcaatggctc cgatcacatc tatgccctat atagaaaaca accaagggtgc 60
taccaagacg ttcaaaggta tgggtggagc attaacatta ttagcgaagg cttggcactt 120
atggcatttc ttcacatgga tgcaacaatc actctccata gtgagccagt aataccttgc 180
tctcagaatt tttcgggccca tggcatgtac attatcatgc gttccaaagg atccctcatg 240
tacctccacc agcatttggc cagcctctct ggcatccaca catcgaagca gtaccatgtc 300
atggttcctc ttgtatagga tattcccact caagaagaaa cgggccgccca actt 354

<210> 8390
<211> 360
<212> DNA
<213> Glycine max

<400> 8390

agcttgcttg cctctagttg acatttgtgc ggataactat taggtatctt cgcattgccac 60
ctgactcacg ggttgggggtg acagaactgt ggggtggttg acaaaagcgg gacttttgct 120
cctacatata ttcaattgcg agactacata gttcttcaat ttttgtgtga gactacaaat 180
agtctcaatg ttattttact aaaatgcgaa catgctaaca tgcttttagca aagaaacaaa 240
ccttcaactg atcaaggcaa catatatattt tttgaataaa aacaatgcgt ctattggaga 300
aggaaagtat gctaataaaa ttttctcata accacaaatg agattttgga tgttagcatt 360

<210> 8391

<211> 309

<212> DNA

<213> Glycine max

<400> 8391

ttttagttta taaaaaata tagaaaattt cttaaagat atgctaaaca tagtcaatat 60
ttaatgaaaa atatgaagta tatgatatat ttgaaggaaa gcaaagtgat aataaacaaa 120
tgtttgaaca ttaaataatt attggaacaa ctcatttaat tttagggttat gtgaatgtac 180
cgaataataa acatgaagat agaaattgtg acctcatata ttgggattga aactcatatt 240
ttaagatgat atcatatctc atcctagtaa ttattgtag gtctattgtg ttgtctattg 300
tcgggttat 309

<210> 8392

<211> 311

<212> DNA

<213> Glycine max

<400> 8392

tattgagagt gtaacaatct attctaatag catctgccca aagggtttt ttaggtttg 60
tccattcac aaagttctag cgccttcttc aagagatcta tttttccttc ccacaacatc 120
attttgttga ggtgttctcg gggcagaaaa attgtggtga attccatttt cttcacaaaa 180
cttttcaaaa tactcatttt gaaattcacc tccatgatca cttctaattg aaataaatact 240
aagaccttctc tcattttgaa taactttggc aagtttgtga aaagcatcaa aagcatcatt 300
tttggttctc a 311

<210> 8393
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8393

 agcttctgtt ctaaatttcg agcttctcga tatactatgg gacacaatca gacatccgag 60
 taaaaagtta ttgtcgtttg attttgctca gagcttttgt tctaaatttc gagcgcctcg 120
 atatactgtg ggacacaatc ggacatccga gtaaaaagtt attgtcgttt gattttgctc 180
 agagcttctg ttctgaattt cgggcgtctc gatatactac gggacacaat cggacatcag 240
 agtaaaaagn tattgttggtt tgattttgct cagagcttct gttctaaatt ttgagcgtct 300
 cgacatacta cgggacacaa tcggacatcc gagtaaaaag 340

<210> 8394
 <211> 309
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8394

 tgcacagaga ggccacttaa tctccttcat agtccccaaa agaacactaa ccaaactaca 60
 acacctnaac ttcacctca cctcatcacc tttgtcccca tcaactgttcc tcgagttgat 120
 ggtcttcctc aagatgctga aaccacttca gacataccct tctctttggt cccacttctc 180
 gccacggctt tggaccgcac cgagaaagac atcgaacttc tcctaaggga actgaaacca 240
 caatttgttt tcttcgattt ccaacattgg ctgcccaccc tgactcgaag cctagggatc 300
 aagagtgtc 309

<210> 8395
 <211> 261
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8395

 aacaaaactt acctttcncc cttttattga agatataaaa aacaccacct atatcccaaa 60
 aaataatcat ctgaaaaata atgaagtttg aaataaatga aaaatcacta atttccttag 120

aaataaagaa caaattcata tcaagaaaac tggaaattgc aaccaacagt aaccccaatg 180
aacctaagaa gtagaaatgg cccaaaagat gtgcttgctc tttgaacctc catcatagag 240
tatatgacta cattgtgtga g 261

<210> 8396
<211> 362
<212> DNA
<213> Glycine max

<400> 8396

agcttcttac aaagcatagc gctttctgga tgtagatgat gatattata cagatggatc 60
ttatatatct atatatctat agatagatat atagatatag atatatagat atagatcata 120
caatgaagta cgcacagagt gggatatatag gaatccaaat ctgccgaatc actcatgtta 180
tgatcttcta catcctaggt cttcccgctc cttcatctgg cttatgttct tcatgtagca 240
ttcagactga atgactctat gaaattacgt cgctacttcc acatgggtacg ggtaacgtag 300
gagacatctc tatttttccc ggggggaatc cttagaatta ccacagctta gctttcaatt 360
cg 362

<210> 8397
<211> 364
<212> DNA
<213> Glycine max

<400> 8397

agcttaatat acatattaat atattaaaat atttcaattt taatatagaa agagtgatag 60
taaaatacaa atatagacac aaagacacac aaacatgata gtacttgtat ttcccctagt 120
taattaataa aagtaaaaga gaacaaatga attagttaca tgaacataat ttgagagtgg 180
tttacacatg agcaattgag ggcaagaaga atagttggta ttttactaat tatttagggg 240
caaaatcagt caaataaagc atacaccata tgagtaattt ccattattaa tagttataga 300
taattgaatt taaaataatt ttgaaacact gatttcacga ttaatagtgt ggggtgttgtt 360
acac 364

<210> 8398
<211> 310

<212> DNA
<213> Glycine max

<400> 8398

ttattggett aacttgatct ttaactcctt gtttggccca atgccaacta gcttaacttc 60
tctcacctac tatctcttca acacaataac ctcttgggct ctattcctaa ctcatggggt 120
ggtagcttga aaaataactt ctttcgggtt tgaaaaatga tcatagatca taacttgctg 180
agtggaagca ttcttgcttc tttgggtggc ttgagtgaac tcagagagat ttatcttagt 240
cataaccaat ttagaggagt tatcccaaat gaaataggaa acctttctag acttaaaaact 300
ctagattttt 310

<210> 8399
<211> 340
<212> DNA
<213> Glycine max

<400> 8399

agcttccatc aagtgtgttt catatttcaa taacaattgt ggattatatg gcacaacaaa 60
tcgattatca agttcaatac catttttagc actgtacgcc catcatttct tctcctataa 120
attggaaatc catcttggtc aacaattgtt gatccatgga attttttaag gaaatatcta 180
atacacttcc cattgaccat acacagtgat cttttatttg caaaccacaca tgggtccatga 240
atcatatggc tggagactat ttcaaataat tcgggatggc tgtgtttgtt tgggtatttct 300
gctaaaatga tgcgatcaat atcctctgga tttggatatt 340

<210> 8400
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8400

gcaagttatt agtttgagtt aaaaattaaa aggggtggaaa cttaccttnc atatcaatgt 60
catctttata taaagataga ggtagggaca aaatataaaa aatgggcaaa tataactagt 120
aactaggata agataagaan ntaaataagt atttattcct ttaanttatt ttntagaatt 180
aattttgact tttaaaatta aattataaga acatcatatt tatcacaatt taaaattggg 240

acttaaaatg atttanatta tcataaaata tatattnttt taaaataatt aatattaaaa 300
 attagatgac 310

<210> 8401
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8401

agtgcaatta ttttcttagt ggtatatgta gatgacatat ttactaattg gaaatgacat 60
 accaacattg caaggcacia agaatgggct atcataacia ttcttcatga aggatntgng 120
 agaagcagtc tatattctat gtataaagaa ttatagagat agatataaaa nggtgctttg 180
 gactctccaa tctatgtaca ttgatactat cttaaagaga tataacatgg ataatccaat 240
 gagctatttc tgtngtgtgg aatactct 268

<210> 8402
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8402

tcttagcacc tgcggctgca gcttggctct gtgaactgca tgtctgcttg ncatttgcta 60
 caagtcttca gggaagggtg ggagngccta actgtggctg ttctgggcta tgctgttggt 120
 gattggggag gaatgcatgg tctgcttggc catcaacatt ttggaaggaa tgagcatgct 180
 gctgttggtg ctgctgaggg ctgcaccatc tgagattagg gtgattcctc catccagggg 240
 tgtatctgtt gctggagagg tcataattgt tctgctgtag gtgat 285

<210> 8403
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8403

atagaagact ccaagaagat tgngccagag aagcaagaga agaccctang atttctcatga 60
 gtcttanggt agatttcggg cccatgggct aagtatgagc ccacttatct ttgtacatat 120

tagaataatg tttcattant tttgggactn ttattttangg ctccataatg taggtagggg 180
accctagaaa tgtangattt ttcggccctt gtatttttang gaacctagac tagttttttg 240
tattatgggt agttntgtaa tttcacatgc attaagttaa tatttgatgt gtgtgtnggg 300
gaaataaatt aatta 315

<210> 8404
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8404

ctgctggctg atcattagaa ctaatgaact cagtgacaat ctncctggac agaagcttct 60
cctaaatgaa atgacaatca acctctatgt gcttagtcct ttcattgaaag actangtttg 120
aggcaatatg aagaacaacc taattatcac agtacaactt catttgcaac ttttcacaga 180
accctcattc ttgcagaaat tgttaatcca gatgagttca caagaaccat agcatagatc 240
gatattaact tctgattgga ctgacaacaa catttggtct tgctttcaaa gataagattc 300
ctcaatgaaa cacataactg atgcgatctc tatcatggac agtcagccat cacatacata 360
tctcatagtg cgtataccct ngcttcatac acatctt 397

<210> 8405
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8405

agtctattct gcaaatacta gttntgaatc tctgctggag tcactacttg cctgtgctaa 60
gccttctcca cagtctgggt gcattgctaa caagctctgc attcgatagc tcagtgtgtt 120
gctgttctat gctnngctgc ttgtgatcag aagtgtcatc tacagtgcaa tgctcactga 180
cattctcaag gatgacagca gttctaactt cgtaagcttt ctcttcagta tttc 234

<210> 8406
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8406

tcttcagggt cgaagacaac cttctttctt ccttttgtgg cttgggttagc ataactntta 60
tntctcctct ncaattgatt ttctactctc tcatgaaact tcttcacata gtccgccttt 120
gcttgagctt ctttatactt aanaacagaa acattatgca taggcaaaaag atcaagaagg 180
agtagtgggg taaaaccatt aacaacttca aaaggagaaa caatagtggg gctatgaaca 240
actctattgt aagcaaaatc aacatggagg taaacaacct tcccaagttt taagttcttc 300
ttanaactgg ccctaagcaa agtcccaatg tccctataac aacttcc 347

<210> 8407
<211> 139
<212> DNA
<213> Glycine max

<400> 8407

gatgcatggg agatcctgac aaccactcat gaaggaacct ccaaagtga gatgtccaga 60
atgcaactat tggctacaaa attcgaaaat ctgaagatga aggaggaaga gtgtattcat 120
gacttccaca tgaacattc 139

<210> 8408
<211> 253
<212> DNA
<213> Glycine max

<400> 8408

tatcacatga tcgagaagaa caacacatgg gagttagtaa atcgtcctca tggaacagat 60
atcatagggt ttaagtgggt ctataagaca caactcaacc ctgatggcac catacagaaa 120
cacaaggcga ggctagtatc taacgggttac tcacagccac ccagaataga ctacaatgag 180
acattggcac caatagctca tcttgatacc ataagagctc taatagctct tgcgtcacia 240
agaggatgga gta 253

<210> 8409
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8409

agtttctgac tatgctcttg tgatgtgtaa catgcttcan naagagagag caagaaatga 60
agagccaatg gttaatacat gggcagagat gaaaaggatt atgaggaagc ggtatatgcc 120
aactagttac tcaagggaat tgaaattcaa gctccanaaa ctaacccaag gcaacaaggg 180
ggttgaggag tattttcaagg aaatggatgt gctcatgatt caagcaaaga ttgaagaaga 240
tgaagaggta actatggctc gattcttaat ggttgactaa tgatgttngt gaatattgtg 300
agctac 306

<210> 8410
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8410

gaaaaaaaaa tgggcattta cctggggtga aaagcaagag caagcctttg ctttgctcaa 60
agaaaagctt actaaggcac ctgttctaac tcttctgac ttttctaaaa cttttgagct 120
agaatgtgat gcctctggag tgggagttaa agctgtattg ttacaagggtg ggcaccctat 180
tgcttatttt agtgaaaaac atcatagtgc caccctcaac taccacacct atgataaaga 240
gctttatgcc ttaataagag cctccaaac ttgggaacat tacctaattt ccaaggaatt 300
tgtcattcct agtgatcatc aatcacttaa gtacattaga tggcaaagca agttaaacia 360
gaggcatgca taatgggtag agtacctaga ccaatttoca tatgttatca aatacaaaaa 420
agganaaaca catgtggtag ttgatgcctt 450

<210> 8411
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8411

tcatgaggaa atgagaacct tanaaactac tttagcattt ctttttattg gaactaataa 60
tcttaataga cttttaggat agtgtagaag ttcctttgac aaatctagaa atggatattg 120
ttagtgctta gctctactga gttttaaaag attggctaag attttggttaa aacataagca 180

cttagacaat gaaagaaagc tggagttgct gcacatgatg tccaacgtta tgtcaaggaa 240
 taagatcggg ctgcacaatg cacaaggcaa gataaaatgt caaatgaaga attgaagctg 300
 cagaatccac gatgtcggat acaatgt 327

<210> 8412
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8412

tgccttgccc cttgatatat ttgagggact catgtgtcat ttatgaatga caanatttcc 60
 ttgggataaa ggtagtgttg ccatgttttc aaagcacgta ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caatgcaagt atgggggcat tagttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaaa ccaacatttt tcttgagcac 360
 t 361

<210> 8413
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8413

aatactcagc tcgcatacaa gattctactt gcctggcact tcaaaacctt cagtgtgtgt 60
 catatagang nctacctgta aatccccatg caagaatgca gttgtaacat ctaactgctc 120
 caaggaaga ttctctgcag ctactatgct cagaataact ctgatggtac tcatctttac 180
 aactggagag aagatctctg tgaaatcaat tccttgtttc tgctgaaacc ctttcaccac 240
 aagtgtcgcc ttgcatcttc ttcttccgct acattcttcc tttagcctat agaccacct 300
 attctgtaat gccttctttc cttctggcca ttaagtgcaa gaccacgtct tattcttctg 360
 aaggaagtca tcttattctt cattgctagc ttccacctca atagtgtcat tcccctgtgt 420
 agcctccatg aaacattc 438

<210> 8414
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8414

gtcacctgcc gcatgcagct tgacgttaat ctcaaatgg caaagacatg accttgngtt 60
 tgtttaccaa ggatgtcata caaagatgaa acaaatataa acctcttttt caagcaaaaa 120
 ctttgtttcc tcaagaccac ttgaactatt acatattgat ctgtttggct acaatgaatg 180
 actacattag atggacatgg gtaatgttcc ttgctcataa gaatgagttc tttgaggtat 240
 tctttataat ttataaaaga gcttaaaatg aaaaaaagt ctgcgttact tcaattagaa 300
 gtgatcatgg tggagagttt tgaaatgaga actttttt 337

<210> 8415
 <211> 480
 <212> DNA
 <213> Glycine max

<400> 8415

tccttgagaa aattcctaaa gaagctagag cttttctttt cacacctctc taatagctaa 60
 gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
 tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180
 aatgcctcga aatacaaggc taaaacccta tactactaga atggccgaaa tacaaggcct 240
 aaacaaggt aaaatctatt ctaatattta caaagataag caggctcata cttagcccat 300
 gggctcgaat tctaccttaa ggctcatgag aaccctaggg ccttcccttg gatctctggc 360
 caatctactt ggagtcttct atccaatgcc cttgcgggat atgattggat cattcctccc 420
 ttcttctcat tctctctatt tgggtcacgc ttttttttgt ccagcagga tgatcgaatt 480

<210> 8416
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8416

ctattaaact aagcttatca tctttgataa ggatgcccc atgcgtattg ttttntaca 60
cattagctca aatgggggtgt ccaataggtg cctgaatgat aaggtggtag tcaccgcacg 120
cttgaggcaa tcaaaagcct ctttgcaccg gtcatacaaa tcaaactcca cctcctgttg 180
cacagattgg acagtggaaa ggccactttg ctaaaatctt tgataaagca cctataaaac 240
cctgcatgac caagaaaaga acgaacttct tgcatgccaa aggggtaaaag caattgtgaa 300
ataacatcta tttttgcagg gtctacctct atgtccctac tggaaatgat atgcactaaa 360
actattcctt tgtctaccat gaagtgcacat ttttcaaaat tc 402

<210> 8417
<211> 274
<212> DNA
<213> Glycine max

<400> 8417
cagatataat ccacggtgga gtaatcatcc aaatgtaaga aggacaagtc ctccacaaca 60
acaacagcct gtgccttcct ttcaaaatgc tgggtggtcca agcaagccat tgttcctcct 120
tcaatacagc agcaggaaca acaacaacag tcacaacaaa gacaacaagc cactgaggct 180
tctcctacac cttccttaaa agagttagt aggc aaatga ccatccagaa tatgcaattt 240
cagcaagaga ccagagcctt cattcagagt ctca 274

<210> 8418
<211> 431
<212> DNA
<213> Glycine max

<400> 8418
tgaccaggaa ttacttgtat gggttggatg ttgaattctg tttgttcctg gtgcggagat 60
gatggtacag cgggtgaacc agaagcggaa atttcttttg gtgaggtagc catggaaaag 120
cagagcggtt ggaatgattt cgtaaacttc agaaggctat tgggaaatgc tggtaaaaac 180
acgaatgcc aagcagatata aatttgaatg aagaatgtag aggggcgtgt gaagcaacgg 240
tcgaattcgt tttggcttaa tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300
cgttcaaatt gctgtagttg ctataattcc tctagcaaac aaatgccag cttgccctc 360
agtttttcaa actgatttgc atgcaaagcc tttgtgaaaa tatctgctat ttgttcctca 420

atgtcaacat g

431

<210> 8419

<211> 240

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8419

cttaactcgg atgtccgac aggcgcattt tatttgagta ttttganaan ngaaaacaga 60

agcgctcgag aaaatcgaag gccataact cttcacacgg atgtcccgat cgggcgcata 120

atatgtcgag acgctcgaat atgaacaaca gaagctctcg agaaagtcca atggtcataa 180

ctttccactc ggaggaccga atcaggcgca taatatatct atacgctcga aattgaacaa 240

<210> 8420

<211> 264

<212> DNA

<213> Glycine max

<400> 8420

agaaactaga acttatctac cccgccccta taataactaa gctcaccct atgccaaaaa 60

aaacatgaaa atacaaaaaa aaagtcctta ctacaaagat tactcaaaat gccccgaaat 120

acaaggctaa aaacctatac tactagaatg gccaaaatac aaagcctaaa cgaaggaaaa 180

acctattcta atatttatac agagaagtgg gctcactatt agcccatggg ctcgaaatct 240

accctaaggc tcatgagaac ccta 264

<210> 8421

<211> 281

<212> DNA

<213> Glycine max

<400> 8421

acgacaataa ctttctactc cgatgtctga ctgagtccca taatacatcg agacgctcga 60

aattgaatgt tgaagctctc agcaaattta aacgacaata actcttttac tcatatgtcg 120

gattgagtcc cgtaatatat ctagatgac gaaattgaat tctgaagctc taagcgaatc 180

caaacgacaa taactttttg ctgggatgtc cgatcgagtc ccgtaattcta atgagacgct 240

caaaatagga atctgaacct gcgagctaatt tcagacgaca a 281

<210> 8422
<211> 252
<212> DNA
<213> Glycine max

<400> 8422

agcttctgtc cctgagaaac tggttcccag atgacatagt ggagttgaag atgctgaaaa 60
ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattttta aagacgcctc tgtttctgaa gctgatgaag atgttccaac 180
atcttccacc ccgaatgttt gtgtgcccga tgctaaaaaa tatggggcaa catcttaccg 240
cccaagtgct ga 252

<210> 8423
<211> 267
<212> DNA
<213> Glycine max

<400> 8423

tgaatggttc gttcagtcctg accatctggt tgaggatgat aagctgaact aagcttcagc 60
tttgtcccca aggcttcatg tagactcgtc caaaatcgcg aagtgaacct cggatccctg 120
tcagatacaa tactagaagg aattccatgc aaccttacta cttccttgat gtacaactcc 180
acgagtttct ccattctata cttcatattc actgggataa aatgagcaga tttgggtgagt 240
cgatctacta tgacccacac agcatca 267

<210> 8424
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8424

tgagcctttt gtaaattggcg acataaagta gcatgttaat tgttttgtgn aaccaacaag 60
tcatcaacta cttctgcttg aaaggtaccc tanaggtact ggggtattga cgatgggagc 120
ttcccataag tggcttcgga tattgaaata ccagtgtca aatgaaccaa agtattgtat 180
gaccactccg taataggaag atacttgaac cactatgatg gtcgatcatg gacaaacgaa 240

tggaagtatt gctctaaaac atggttgagg acctccatct gtctatcgat ttggggatga 300
taggcagtgc tcatccatag cttcgtccca cataagcgaa agagtttccg ccaaaaggca 360
ctta 364

<210> 8425
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8425

agcttttgac ggactatacc aagctcnatg actcggttatt gagaaagatc tatatatagg 60
cttgctaagg atagagagag gaagactaca gatttggatc aagtaaagtg tgttaaggat 120
gaagaaaagca aagtcttagt gcatgaaaaa gatattaagg aaaggtggaa ggcgtatttc 180
cacaacttat ttaatgatgg atatggatat gactctagta gtctagacac aagagaagag 240
gaccggaact ataagtacta tcgtcggatt cagaaacagg aagtgaagga agcgttgaaa 300
agaatgagta atggtaaggc ggtggtgcc aacaacatac ctattgaagt g 351

<210> 8426
<211> 291
<212> DNA
<213> Glycine max

<400> 8426

agcttgcaaa tctattttta atccatgccc ataaataaaa taaaatctag ataagataag 60
ataagataag atctagatga aatcaaactc agataagata agataagata agatctagat 120
gaaataatat ctagatgaga tcaaactctag ataagataag atctaaatga aataatatct 180
agatgagatc aaatctaaat aatatataaa tgagataaaa tctagataag ataagatttg 240
gtagaataaa atagtctact ctctccaagt ccaagcccaa ttctggattc a 291

<210> 8427
<211> 282
<212> DNA
<213> Glycine max

<400> 8427

agctttcaac taaatttaca atgttcta atcaatttcaaa atggtgtaat cgattacaat 60
atattggttaa tcgattacca gtgtgtttga acgttgaaat tcaaattcaa atgtgaagaa 120
tcacatcctt tcacaaaaat gctttgtgta atcgattaca atgatttggg aatcgattac 180
caatgataag ttttgaacaa aaatcaaaag atgtaaatct tccaaagggt ttcaagtttt 240
tttaaagggt ataactcttc taatgggttt cttgactaga ca 282

<210> 8428
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8428

ttgatctacc accaccaccg ccaccatcat cttagttttc tattattttt aatattacta 60
gtactttgtt ttctagtcgt gtatttagct atattatgac atttggataa tttagtattt 120
ctttatttgc atggtttgat tgaacaatta tgaattatgt tatatgacta tgtgattttt 180
atatatttga tctattcatg tttcttgctt catgattggg ttatattctt caatgtatgt 240
cttgtgaatg attaatagta tatgggtgtc ttatacttgt tacgcacttt ggctttntgt 300
tgatgccaaa gggggagaga aataggaatt aaatcaagaa ctacataag taatcaactt 360
a 361

<210> 8429
<211> 344
<212> DNA
<213> Glycine max

<400> 8429

cttgatgcaa catttggaga ggttaatgaa acaacgagat gatgcgctcc atgagagggt 60
ggatcaaattg gagaatagag atcataatga agaagaaagg aggagaagat ggaatgatgg 120
tgttcctaga caaaaccgaa ttgatggat taaactcaac attcctccat ttaaaggaaa 180
gaatgatccg gaggcctact tggagtggga gatgaaaata aagcttgggt tctcatgcaa 240
caactatgag gaggaccaga aggtgaagct tgcgtccacg gagttttccg actatgctct 300
tgtgtggtgg aacaagcttc caaaagagag agccagaaat gaag 344

<210> 8430
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 8430

agcttccctt tctttggcca atgctggact cgtttggcag tgatttcctt ggcaatttga 60
 tgctcagaaa catcaatatc tatcactcca tcagtaggtc tgcccagata tttgttaatc 120
 acagcagggg agaatttaac acactttcct ctgacaaaca ccttttgata ctcatcactt 180
 tttctgttag atatgtcaga gggaatgttg acaatgaatt ccctgactaa gccttcatag 240
 caatctccca acttgctgac agtcttcagc agtccagcag ccttg 285

<210> 8431
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8431

agcttattac gtgttgatga ttataacaca tatattgtat atgaattgtt aaaataaatt 60
 aggaattaat agttcaaata ataaaattaa aattgaagga aattaatata tcaagattca 120
 acgataaatt ctttcaatgc atttttagtt taattattta ttaactcttt ttaattgaaa 180
 ataatatagt tcgatttaat atatacatgt tttgtgccat gtaaataatta atactgtgtg 240
 atgtttatat gatttatgag gtgtgataac atgttaagtt g 281

<210> 8432
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8432

tatgcattca atatcctgat gaggggtgtt catatgttct taagactgga ctaatacatt 60
 tgctgcccac gtttcatggt cttgcagggt aagatcctca taagcatctt aaggagttcc 120
 atattgtttg ttccaccatg aagctccctg atgtccaaga agatcatatc tttctaaagg 180
 cttttcctca ttctctggag ggagtggcaa aagattgggt atactacctt gctcccaggt 240
 ccattttcaa ctggtatgac cttaagagga tattcttgga gaaattcttc cctgcatcta 300

ngaccactgc catcagaaaa gacatt

326

<210> 8433

<211> 289

<212> DNA

<213> Glycine max

<400> 8433

agcttatttc aggttgacta attgttgagt tctgcaaagc cccactaca aaccgataga 60

gagtaggata aaaaaagata tcagccctag acttagacag tttacagtta gtaaccatag 120

gagaatatat gagttgtgcc tctgccatgt gagttttctg taagagattt ctgatatatg 180

tactctgagt aagtactaag gagttatcag aaagagtctt gacctcaata ccgaaaaaat 240

agtcaaactt tcctagctgt tttaaagaga aagtggagtt aagtttggc 289

<210> 8434

<211> 363

<212> DNA

<213> Glycine max

<400> 8434

tgaaggaaaa ctggatgcat tggttaactt ggtaaccag ctggccttga atcaaaaatc 60

tgtacctgtc gcaagggttt gtggtttctg ctctctgtct gaccaccata cagaccttg 120

cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgttg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgaccttc 240

cagcaacaga tacaacctg gatggaggaa tcaccctaac ctcatatggt ccagccctca 300

gcaacaacaa cagcagcctg ctcttctctt ccaaaatgct gctggcccaa gcagaccata 360

cat 363

<210> 8435

<211> 368

<212> DNA

<213> Glycine max

<400> 8435

tctcaggaag tttctcaagg gagctaccta tgctataaat acgagcatgt gtaacacttg 60

ttgtaactgt gatgaatgag agtcttctga gacacacttc aaagttcaac ttctctgcct 120

ctttttgatg tagctccatg tggagcttgt aagccttgga tcttcttcat caatggattc 180
ctttgcttct tgaggtttga ttgcgatcta atatagaacg agaaagatga atggagactt 240
cacatcaagt ataagatggg tatacaagaa gctcaccacc ataggaagcc atggataaaa 300
gcttaaaggt agaagaagat gaatgaatgg agaggaagag aagagcatga aatttactgc 360
ctctaaag 368

<210> 8436
<211> 282
<212> DNA
<213> Glycine max

<400> 8436

agcttgatat ttacctctaa gttcttctcc aaagccttca cttgttccac acttagtcga 60
cgcttcttct cagattgatg ccccggttct tcaacacacc cttcctcgtc gagtccgtcc 120
aacatcgatc ggaactccct gccatacatg tgggtggctgt tcctcggact atgttcctct 180
aaaccaatgc aaattaaatc agacatcatc attattagta taaccaacat aaaacatgga 240
tcttggatct gtgtctgaat tttaaaaaac aaaaaccaat at 282

<210> 8437
<211> 288
<212> DNA
<213> Glycine max

<400> 8437

agcttgccac cacgaagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaaag 60
agagagcaag aatgaagag ccaattgttg atacatgggc ggagatgaaa aggatcatga 120
ggaagcggta tgtgccggct agttactcaa gggatttgaa attcaagctc caaaaactaa 180
ccaaggcaa caagggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaagattga aaaagatgag gaggtaacta tggctcaatt tottaatg 288

<210> 8438
<211> 285
<212> DNA
<213> Glycine max

<400> 8438

agcttctaca attgggtttt cctaattcct ttacactttc ctcacctctc aatgagccag 60
 tgaaaaagaa tgtggcattc acttgagatg aaagacaaga gcaggccttt actttgctca 120
 aagaaaagct caccaaggca cctgctctag ctctttttta cttttctaaa acttttgagc 180
 tagaatgtga tgcctctaga gtgggagtg gagttgtatt gttacaagat ggacacccta 240
 tttattattht taatgaaaaa cttcatgggtg ccacctcaa ctacc 285

<210> 8439
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8439

agcttggttct ttacctctct atcatcccc tcagcaagaa tcttgagcac ctctctgctg 60
 agcttctggc agtgctgtgg atcaatctgc tgctcaaaag cctgagagat tttcctctga 120
 agccaataag catcaatatc ctgcacattc aaacccatcc cttcattacc ctcttccata 180
 tcctcatcat caattccacc catctgcata gccccagaac tgttcggctc tgtgacatcc 240
 tcacctcttt cctcctcatc ctgcacaata tccaaatcac tc 282

<210> 8440
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 8440

tcaacatctc aatttcgagc gtctcgatat atgacgggac tcaatcagac atccgagtaa 60
 aaagttattg tcgtttgaat tggctcagag cttcaacatt caatttcgag ggtctcgata 120
 tattgcggta ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 180
 gcttcaacat tcaatttcga gcgtctcgat atatgacggg actcaatcag acatccgagt 240
 aaaaagttat tgcgtttga attggctcag agcttcaaca ttcaaattcc agggctctcga 300
 tatattacgg gactcaatca gacatcccaa taaaaagtat tggctcgttg aat 353

<210> 8441
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8441

agcttttgagc caattcatac gactttaact ttttactccg atgtctgatt gagtcccttc 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtcccgat aatatatcga gacgctcgaa attgaatggt 180

gaagctctga gccaatcaaa acgacaatac ctttttactt ggatgtctga ttgagtcccg 240

tcatatatcg agacgctcga aattgaatgt tgaacctctg ag 282

<210> 8442

<211> 288

<212> DNA

<213> Glycine max

<400> 8442

agcttttctt tgagcaaagc aaaggcttgc tcttggtttt caccacaggt aaatgccaca 60

ttcttcttca ctagctcatt gagaagtgat gcaattgtag agaaattagg aacgaacctt 120

ctatagaagc ttgctaacc atggaagctc ctaatatctc ccacactttt tgggggtgggc 180

cattcttggg tggccttgat tttctcaggg tccatttgga ccccatcttct accaactaca 240

aacccaaaga aaactatatt atctacacaa aaagtacact tctctata 288

<210> 8443

<211> 371

<212> DNA

<213> Glycine max

<400> 8443

tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60

agcacgaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccga 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatgggttga ctaatgatat 300

ccgtgatatt gttgagttgc aagagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag c 371

<210> 8444

<211> 280
<212> DNA
<213> Glycine max

<400> 8444

agcttcggta gttcaatttc gagcatctcg atatattatg cgcttgaatc tgacatctgt 60
gtaaaaagtt atgaccattt tagtttatcg ggagcttccg tttttcaatt tcgagcgtct 120
ctatatgtga tgagctcgaa tcggacatcc gagttaaag ttatgaccat ttgaatttct 180
cgagtgcctt cgtttttcaa tcttgagcgt ctcaatatat tatgcgcttg aatctgacct 240
ccgtgggaaa agttatgacc atttgaattt ctgagagct 280

<210> 8445
<211> 280
<212> DNA
<213> Glycine max

<400> 8445

agcttgtaga gttgagtctc gtatcagttt catcgattac cgatatctcg taatcgattg 60
cactattggt tgtgatgtaa gctaaattgg agcttgtagg cctatgatct tcttcaccaa 120
tggatttctt tgattcttgg aagatgaatg acaatggaat ggagaaggaa gagagagagg 180
agacccact ttaaggagaa gatgagtcaa gaagaagctc accatcatag gaggctatgg 240
ataaaagctt ggaggaagaa ggagatgaat gaaggagag 280

<210> 8446
<211> 288
<212> DNA
<213> Glycine max

<400> 8446

agcttgtaag aagacaattt ccaattatgc tcccttatgc aatgacgatt aataagtctc 60
aaggccagtc attatctact gttggactat acttacctaa cccattgttt agtcatggaa 120
ttataaatca aagaatggat taaaagtttt aatacatgat aaagacaaaa caagcttgac 180
ctctaccacc aatgtagttt tcaaagaggc tttcaaaagc ctgttaaggt atatataaa 240
tatctatata ctgaccattt tccttaagca ttataatgta ttcactac 288

<210> 8447

<211> 281
 <212> DNA
 <213> Glycine max

<400> 8447

agctttgaaa aaattcatat gctaataact ttctactcgg ttgtccgatt caagagtatc 60
 acatattgag acgctcgaaa ttgaacaacg gaagctctcg agaaattgaa atggtcataa 120
 ctttttactc ggatgtccca ttcaggtgca tcacatatcg agacgctcga aattgaacaa 180
 cgggagctct cgagaaattc aaatgggtcat aactttttcac acggagggtca aattcaggcg 240
 catcacatat cgagacgctc gaaattgaac aacggaagct c 281

<210> 8448
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 8448

actcagcttt cagaaattaa attgtcataa cttctttctc ggaggttcga ttcattgcgca 60
 taatatatcg acacccccga aattgaacaa tggaagctct cgagaaattc aaattgtcat 120
 aactttttcac tcagaggacc cattcatgcg gataatatat caagacgctc gaaattgaac 180
 aacggaagct ctcgataaat tcaaattggtc attacttttc aactggagtt tcgattcatg 240
 cgcatcacat atagagacgc tcggaattga acaacggaag ctctcgagaa attcaaattg 300
 tcattg 306

<210> 8449
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 8449

agcttccatt gttcaatttc tagcgtactc gatataattat gcgcctgaat cggtcctttt 60
 agttaaaggt tatgaccttt tgaatttgct gagagctttc ggtgttcaat ttcgagcgtc 120
 tggatatatt atgcgcctgg atcggacctc cgagtgaata gttatgacca tttgaattat 180
 gtcgagagct tccgttggtc aattttgagc gtctggatat attatgcgcc tgaattggac 240
 cttcgagtga attagtatga ccaattgtat tg 272

<210> 8450
<211> 358
<212> DNA
<213> Glycine max

<400> 8450

tctacattca atttcaagtc ttttcgatat attacgggac tcaatcggac atccgagtaa 60
aaagttattg tagtttgaat ttgctcaagg cttcgggtatt ccatttccag cgtctcgata 120
tattacggga ctcaatcggga catcagagta aaaagttatt gttgtttgaa tttgctcaga 180
gcttccgtat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240
aaaaagttat tgtagtttca atttgctcaa ggcttcggta ttccatttcg agcgtctcga 300
tgtattacgg gactcaatca gacatccgag taaaaagtta ttggcgtttg aatttgct 358

<210> 8451
<211> 279
<212> DNA
<213> Glycine max

<400> 8451

agctttgaga aaattcatac gacaataact ttttactcgg atgtctgatt gagtcccga 60
atatatcgag tcgctcgaaa ttgaataccg aagcgtcgag caaattcaaa cgacaattac 120
tttttactcg gatgtctgat tgagccccgt aatatatcga aaagctcgaa attgaatgtt 180
gaagctctga gcaaattcaa acgacaaaaa ctttttactc ggatgtctga ttgagtcccg 240
taatatatcg aaaagctcga atgtgaatgt agaagctct 279

<210> 8452
<211> 273
<212> DNA
<213> Glycine max

<400> 8452

agctttatct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
ttcaccggac gaagacactg acaaaaactt atctttctct tcttggacaa agtatggcac 120
gctgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccatacttcg ccttgccttg aatgttaagg 240

agcatcccaa tcacactgtc acaaacatTT ttc

273

<210> 8453

<211> 283

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8453

agcttgacag gttcagggtc atgtgctgnt attagtggag gcactccaat ttgcttgcca 60

gacctcaagg tgatggcact cacatttttt ggattttgca tagtttgtga aggcaatttg 120

tcagaatttt gggactgagc ttgggtcaat tgagtagcca tctgccccct ctgatttgtc 180

agactctgaa tgaaggctct tatttcttgc tgaaattgca tattctggat ggtcatttgt 240

ctcactaact cctctaagga aggttgagaa ggggcctcat ttg 283

<210> 8454

<211> 242

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8454

tctacattca atntcaagct tttcgatata ttacgggact caatcggaca tccgagtaaa 60

aagttattgt agtttgaatt tgctcagggc ttcggtattc catttcgagc gtctcgatat 120

attacgggac tcaatcggac atcagagtaa aaagttattg ttgtttgaat ttgctcagag 180

cttcggtatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240

aa 242

<210> 8455

<211> 284

<212> DNA

<213> Glycine max

<400> 8455

agctttgaga aaattcatat gacaataact ttttactcgg atgtctgatt gagtcccgt 60

atatatcgag tcgctcgaaa ttgaataccg aagcgtgag caaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtccgt aatatatcga aaagctcgaa attgaatgtt 180

gaagctctaa gcaaattcaa acgacaaaaa ctttttactc ggatgtctga ttgagtcctg 240
 taatatatcg aaaagctcga atgtgaatgc agaagctctg agca 284

<210> 8456
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8456
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 atgaagtatt tcagactatt tgcattccatg tctggacaac atatgtctgt atgtatgatt 120
 tctaataaat taaaactcct ctttgcaccc ttttttagact tgtagttttg cttaccctta 180
 atgcaatcta cacaagtctc aaaatcagcg aaatccaaag tactaagtac tccttcattt 240
 actaatcgct tgattctctc aataaaaata tgccttaatc tctgggtgtca caatatagag 300
 gttcttcatt cacaatacat cgttttaacc caacagaaac gtgcatagaa gtagcgt 357

<210> 8457
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 8457
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 catgagtcac cacataaata acttcagctt cacacagtgc ataaatcctt atggcagctc 120
 tcatgtagtc agtgaagaca aagggcattt atattttgct gaaacagatt tctttagtca 180
 tatgcagggc tttctggagt gtatgtctga atgttgaaat ttaattagaa gggtagtcaa 240
 taatccagaa acaaagatg gaagtcaagt tttatttatt 280

<210> 8458
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 8458
 tctacctcgc caggggcatg aattcgggtg ccacattcac gctaaccgct tcaactaaat 60
 gtctgggatt ggcatcacia tgttttgctc gagctaattc ttgatcgct aatgtctcct 120

ttagttcaat agcaatctca ctcatgattg gcctttcgct gggattttga gaaacacaag 180
ccattgctat ttctaaggct ttccaagctg agttaatgtc ataatctcct tctaaccctg 240
agtcaactat ggccctgata tcccctttct caatcaagga cctaaccctt ccacttatgt 300
gacccttttc ttgattcctt tccattactg gttggggt 338

<210> 8459
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8459

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aaatgcagct gatgattgtg tatatcacac gttcaatggg agtaaatact tattcttggt 120
attatatgtc gattatatac tgcttgatag gagtaatata ggcttcttat aggagactaa 180
aaaaatttat gaccaaaaat ttgaaatga aaaatcttgg ggaagcctct tttgtgttag 240
gtattaagat actaagagat cactcccaag gtatcctaag actgttagaa gagagttata 300
t 301

<210> 8460
<211> 308
<212> DNA
<213> Glycine max

<400> 8460

tgctaaccce tggatgctcc taatatctcc cacacttttt cgggtgggccc attcttggat 60
ggccttgatt ttctcaaggc caacttggac cccattttta ccaactacaa atcctaagaa 120
aactatacta tgtacacaaa aggtacactt ctctatatatt gcatagaggg tgtttttctt 180
aacgactgaa agaacttgcc taagatgtcc taagtgtatc tctaagctct tactgtacac 240
taaaatatca tcaaaaataaa caactacaaa tctacctatt aaatccctta agacataatg 300
aataagcc 308

<210> 8461
<211> 294
<212> DNA
<213> Glycine max

<400> 8461

agcttggtctc tggccattat aaccatttca ttcttaagtt ccttaacctt taaatagaca 60
ttctggtcaa gtaagtgtt ttctgcatca aacagatcaa acttgatctt ctaatcatct 120
atgcccattt ctagttttatc ctttcccata tccaccacac aaccggcgggt taacataaag 180
ggatggccca aaatcaaggg gatttttagcg tctctttcaa tatccatcac aacaaaatct 240
gcagggaac taaactgtt caccttaacc agaacatctt caattatgct ataa 294

<210> 8462

<211> 288

<212> DNA

<213> Glycine max

<400> 8462

tctcgatata ttatgcgctt gaatcatact ttcgtttcaa aagttatgac gatatgaatt 60
tctccactgt attccgtgtg acaagttatg accatttgaa tttctcgata gcattcgttg 120
ttcaatttcg agcgtctcga tatattatgc gcctgaatcg gacttccgtg tgacaagtta 180
tgaccatttg aatttctcga gggcttccgt tgctcaattt cgagcttctc tatatattat 240
gcgcctgaat cagacttccg tttgaaaagt tatgaccata tgaatttc 288

<210> 8463

<211> 290

<212> DNA

<213> Glycine max

<400> 8463

tttagcttgc taagatacat ggcccaataa tgagcctaaa gctgggacaa ataaccactg 60
ttgttatgtc ttcagcacia atgcccaaat aggtgcttct aaccaatggc caattcttgt 120
caaaccgaac cattccccaa tctgtgccag ttctaaacta tgaacaatac aaccttgctt 180
tcatgcccat ttcacctctt tggagggaac tcagaaaaat atgcaacact tagttatttg 240
cccataagtc tcttatgcta gccaaagcgt taggcgtaag atagtgcaat 290

<210> 8464

<211> 284

<212> DNA

<213> Glycine max

<400> 8464

agcttgtgaa acaacaattt atcttttcca atacgaaaga tcccaaaaga tactttctttt 60
tgcccaatta tgccactccc catgtccttc tattgggtta acaccatttt ttgtaactct 120
tggcaaattc cttactctat gctacacttg attaggtgtc aacctaggtg gtagctcatc 180
atattcttct tccccctttc taaagggttt ttgttagtcc taaatggatg aatgctgggt 240
aagaacctac gatgcgagtc aaataaaca tttttcctct cata 284

<210> 8465

<211> 301

<212> DNA

<213> Glycine max

<400> 8465

agcttcactc aaagattcat cggaaaattg atggaatgaa gaaattgtag cttttccctc 60
tgttgtcttg gactcaagaa aatatttctt caaaaacttt tccacaactt tatcccaagt 120
ccttaagcta ttaccttga atgaatgcag ccacctcttg gcttctctag ataataaaaa 180
tgaaaataag ctgagccgaa tagcatcttc tggcacaccg acaatcttga caatgttgca 240
tatctcaata tatgttgcca agtgtgcata tgggtcttca ttgggtagac catggaacaa 300
a 301

<210> 8466

<211> 313

<212> DNA

<213> Glycine max

<400> 8466

tgtttcaatc catatataga tcgttgctac ttgcaaactt cattacaacc agccaataat 60
gtgaatcctt cagggttgtgt catgtatact tcctctttca actcaccatt aaggaaagt 120
tttttcacat ccacttgtca tatctcataa tcatagtatg ctgctatggc aagtagaatc 180
cgaattgact tgagcattgc cacaggagaa aatgtttcgt cataatctat tccttcctgt 240
tgacgatatc ctttagcaac aaggcgagct ttataggtct cgacctttcc atctgcttca 300
atcttttttc ttg 313

<210> 8467
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8467

agcttgtaat ctttggtttc ttgaagatat ctttaacactt tctttgcagc tgtctagtgc 60
 tctattcctg aattactttg atatctccca agcattccaa ccacaaatgc aatgtcagggt 120
 cttgtacaca cctgcgcata cataaggcctt cctacaatgg aagcatatgg aatgtttctc 180
 atttgttccc tttgaagcctt attttttagga cattgattca aattgaatct atcacctttc 240
 acaatagggtg tcatgttggg tgaacaatct tcatccgaaa tattttctaga acttt 295

<210> 8468
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 8468

agcttaagca gtgatcaaac ttgctctttg gaactggcctt tgtaaacata ttaacaggat 60
 tgtgcagagt gataatctta tgaactttga ttcttctttc tgaccgaatg aagtgatatc 120
 taacatctat atgcttgggt ctatcatgat gaacctaatc cttggccaag catatagcac 180
 taaggctgtc acagtagatg ttagcatatt cttgattaat ttcgagatca tttatcagac 240
 ctctcagcca aattccttcc tttgcagcctt caataagagc catatattta gc 292

<210> 8469
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 8469

tgaaggcaaa ctagatgcct tgtttaactc tggtaaccta actggccatg aataaaaaat 60
 ctgcacctgt caccagacta tgtggtttat gctcctgtgc caaccaccac acagaccttt 120
 gcccttctat gcaacattat gaagaaattg aacagcctga agcttattct gcaaacatct 180
 acaataggcc tctcaacct cagtagcaaa atcagccaca acagaacaat tatgacctct 240
 ccagcaacag gtacaatccc ggggtggagga atcatcccaa ccttagatgg tcgaatactt 300
 cacaacaaca 310

<210> 8470
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 8470

tctatttttca attacgagcg tctcgattta ttacgggact caatcggaca accgagtaaa 60
 aagttattgt cgtttgaatt tgcttagtgc ttctgttttc aatttcgagc gtctcgatat 120
 actacgggac acaatcggac acccgagtta aaagttattg tcgtttgaat ttgctcagag 180
 cttctatttt caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta 240
 aaaagttatt gtcgtttgaa ttgcttaga gcttctgttt tcaattacga gcgtctcgat 300
 atactacggg a 311

<210> 8471
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8471

tattgggcct taaaatttct gatcttttat gaagccgcat ctagagagta aaggaggcta 60
 caactattgg agttagaaga aatgagattg actgcatatg aatcttcaag gctgtataaa 120
 gagagggtta aaacttacca tgataaaaat cttctaaaga agaattttca accaggacaa 180
 cagggtgtac tattcaattc aaggctgaaa ttgttccttg ggaagctcaa atctaaatgg 240
 tctagaccat ttaccatcaa caaagtcaag ccatatggag cagtagagct ttgtgatcct 300
 caac 304

<210> 8472
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 8472

agcttatgct gcaaataattt acaatatacc tcctcaacct cagcagcaaa atcaaccaca 60
 gcataacaat tatgacctct ccagcaacag atacaacctt agatggagga atcacccata 120
 attcagatgg tccagccctc agcaacaaca acaacagcct gctccttctt tccaaaatgc 180

tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
tat 303

<210> 8473
<211> 303
<212> DNA
<213> Glycine max

<400> 8473

tgaaattgaa caacggaagc tctcgagtaa ttcaaattgt cataacttat cacacggaag 60
tccgattcag atggataata tatcgagacg ctcgaaattg aacaacgaat attctcgaaa 120
aattaaaatg gtcataactt gtcacacgga agtccaattc aggtgcataa tatatcgaga 180
agctcgaaat tgaaccacga aagctctcga gaaattcaaa tggtcataac ttatcaaacg 240
gaagtctgat tcaggtgcgt aatatatcga gaagcttgaa attgaaccac ggaagctctc 300
gag 303

<210> 8474
<211> 272
<212> DNA
<213> Glycine max

<400> 8474

agcttctgga tatattatgc acccgaatca gacttccatt tgaaaagtta tgaccatttg 60
aatttctcga gagcttccgt tgttcaattt tgagcgtctc ggtatattat ggcctgaat 120
cgaacttccg tgtgacaagt tatgaccatt ttaatttctc gatagcattc gttgttcaat 180
ttcgagtgtc tcgatatatt atgcgcctga atcggaattc cgtgtgaaag gtattaccat 240
tctgatttgt cgagaacctt ccttggttca at 272

<210> 8475
<211> 302
<212> DNA
<213> Glycine max

<400> 8475

agcttcaaca tcagacctct tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgttat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaagtta ctgaattctg cacatctgaa ggcatcactc 300
at 302

<210> 8476
<211> 310
<212> DNA
<213> Glycine max

<400> 8476

tgtccaatga ggtgacaatg aaaataccta gtgttactac ctgatataca gtttttgctg 60
ctcgttttat tgtcaattcc aactgcatca atgcatcttt aacaagcata ccacgaacca 120
gagcagcaac caagttgacc ttctttggac tctaaaatac catagaaaac aaggtatgta 180
aaatgtgcaa ctagtcagat attaatacaga tccttcttaa accataaatt aaggcatttt 240
ccacagcaaa ccaggaagg catttcaatg gctaaaaaat tagatgccaa cttttctgca 300
aaataacatg 310

<210> 8477
<211> 306
<212> DNA
<213> Glycine max

<400> 8477

ttaccaaggg cattggttgc tggctttggt aatactgaca aagaatttca gagcagaggt 60
gtgaacttta gcttttattc ttgtgttttt ttggggataa aatattggga gggtcgaaat 120
acagaactgg aggatctgga atttaatttt tttctcttcg tattactgat tatataagtc 180
ctcatctggt tttgtccagg agaaacttcg ggaaccacag ctacattcgt aatagtggat 240
aggtggactg tgactgttgc atctgttgga gattcccgtt gtatactaga taccagggt 300
ggtgct 306

<210> 8478
<211> 301

<212> DNA
<213> Glycine max

<400> 8478

agcttgaatg acaatcattt catggggctc cgaataaaag tggagaatgg aggataggcg 60
aacagcgcta ggcaatcaat tcgcgggtct cccgactcgt tggaggagga tgcataatg 120
acaatcaact catggggctc cgaataaaag tggagaatgg aggataggcg aacagcgcta 180
ggcaatcaat tcgcggggct gcatactcga tggaggagga tgcataatg acaatcaatt 240
catggggctc cgaataaaag tggagaatgg aggataggcg aacagcgcta ggcaatcaat 300
t 301

<210> 8479
<211> 309
<212> DNA
<213> Glycine max

<400> 8479

tcacaaagaa aatcatattg atatgacttc tttggaagtc ctcttacgag gctatgcttt 60
ttaagctttg agattaacct taagctagca tgaccaagct tcttatgcca tatgcaatga 120
ctctctttga ctgagagtaa gcacgacacc ttttgactag acagatcacc aagtttaatt 180
ttatagaaat ttccttgtct cttagcatag aataatgaag atttgttctt attatggacg 240
atacacatat ccttggttaa ggtgacattt tatccactgt cacataattg acttatgctc 300
agcagatta 309

<210> 8480
<211> 297
<212> DNA
<213> Glycine max

<400> 8480

agcttgaatc ggaccttttg tgaaaagtta tgaccatttg aatttctcga gagctttcgt 60
tgttcaatgt cgagcatctc gacatattat gcgctcgaat cgaacatccg tgtgaaaagt 120
tatgaccatt tgagtttctc gagagcttcc gtggttcaat tccgagtatc tagacctatt 180
atgtgcccga atctgacctt cgtgtgaaaa gttatgacca tttgaatttc tcgagagctt 240
ccgatgttta atttccagcg tctcaatata ttgtacgcct gaatcggacc tcagtgt 297

<210> 8481
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 8481

tatgctgcaa atatttacia tagaccttcc caacctcagc agcaaaatca accacaacag 60
 aacaattatg acctctccag caacagatac aaccctagat ggaagaatca ccctaacctc 120
 agatgggtcca gccctcagca acaacaacag cctgctcctt ccttctgaaa tgctgctggc 180
 ccaagcagac catacattcc tccaccaatc caacaacagc aacaacccca gaaacagcca 240
 acagttgagg cccctccaca accttccctc gaagaacttg tgaggcaaat gactatgcag 300
 aacatgcagt t 311

<210> 8482
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 8482

agcttctaaa ctttgtttaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
 ctatcttact ttttacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg ttgggccaca cccttgtgcc tacgt 295

<210> 8483
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8483

taataaatca atctatggct tgtaacatgc ttcccgccaa tggatatctaa agtttcatga 60
 tgtcatcact tcatttggct ttgaagagaa catcatggat caatgtatat accaaaaggt 120
 cagtgggagt aagatttttt ttcttgtgtt atatgtggat gacattttgc ttgcaactaa 180
 tgataagggg ttgctatatg aggtgaaaca atttctctcg atgaactttt atatgaagga 240

tatgggagag gaatcttatg tcattgacat taagatccat agggaaagat ctcgaggcat 300
 tttg 304

<210> 8484
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 8484

agctttactc tatagcctgt tgcttgagtg ctccggcatc ttggaaaaac aagaagcgtt 60
 ctacaagcat aaatctttgt gctggtacag tttattcaac taatgtatgg catcaacgag 120
 gcgggatgat ctaatatata tagcccccata atatgaatcg cctgcaacat aaagaagcgtt 180
 ggctgtttga tgacatgtgg atcaaataca gcttatttca acatgtgttt ggcttaaaaa 240
 aagtgaatcc tgaatagtac ctgctctatt gtgagcccat ccaaacta 288

<210> 8485
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 8485

tgtcatggca atccttttggc aggaaaaatt ctaaaacaaa atcagcggag gcactccgga 60
 gtggaatgcc cagaacagca tgcaagccaa acatgttata atgatgtgcc acaggatact 120
 ccgccttgct gaaagaagta atgtcatttg caaaacaaag tttggtggtt gtgaaagctg 180
 tcccaactac tccttgcccc cccaaaaggt ggcacttaga gcaggctttc aggaaaccca 240
 ttagctctac atccgccaca aaactagcag catacacagt cgacacataa ttcattctcat 300
 cgtttgaatg cccacatcca ctctttctg cttgttggat gcaggagacc cat 353

<210> 8486
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8486

atggatgcca ctaacaacat taacatatata ttggtataaa aaaacaatga cacaaaatgt 60

ttaattttca agaaatttct tatttaattt atcttatatt ttaagatgtt agatatattg 120
 attttttttg tatattattt tctttataaa gtattacaag ataagattaa tatgattaag 180
 ccaacttatt tgtagtattt tttattttta tggttnttat ttnttaatct tgatagctct 240
 catgataaaa gtttaaaact ttatatcaaa tatcaaaata taggttatcc aaatgaaact 300
 tcaattctga taagagaata gtatacaaaa tatttacgta actacatatg agttttac 358

<210> 8487
 <211> 638
 <212> DNA
 <213> Glycine max

<400> 8487

ttgtatggta gaagggtgtag gacacccta tggtggctag aatccataga ggacctcacc 60
 ttaggacctg aagtgtgaca acaaaccatt gagaaggta agttgatcca agagaggatg 120
 agaactactt agagtaggca aaaaagtat caggacaaga ggaggaaaga cttggaattt 180
 gaggttggtg atcatgtatt cttgagagtc actccgtgga ctgggggttg tcaagcattg 240
 aaatcccaaa aactcacacc tcgttttatt ggttcttcca aattctcaaa agtgctcggtc 300
 ctgtggcata ccaaattgca ttaccctgt ctctttctaa tcttcacaat gtctttcatg 360
 tgtctcatcc atgaccatc ttatgtgatc gaattggatg acgtacaagt gaaggagaac 420
 ttgacatatg aaacattgcc tttgaggatc gaggataggc atacaaagca cctaaaaggg 480
 aatgagattc cattggtcaa ggtgatatgg ggaagtgcac caaaaaaat gccacgtggg 540
 aactagagag tcagatgcaa tgagcctatc cagccttggt tgagtcaggt aaatttcagg 600
 aacaaaactt ctatacgggtg ggagagttgt acaccctg 638

<210> 8488
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8488

aaattnaata ggggagtcac aaatgtgtca agaaaataat taataggaca gagaaaatat 60
 tagtaagtca ttcaagaaat atgtattttg tatcgactta tctatattaa atatacaaga 120
 tgatcatcaa gtgtataggg cgaacattct gctcgaaaaa acaaaaagca tagaataatc 180

attggagtga tacctcctat attttttaggt gataaaaacc acttatttta ataaatattc 240
tattgactaa tccgttatag taattgaatt tagctttaac ccactctagt gaataaaaga 300
tttggtgcat gggttgaata tatatttttt taaagatctt tcaactataa tctgagcact 360
aaatattcaa tttatcaaat ggggttgggt caaggataag cactagcctt ctgtaatatg 420
ttcaattaag ggtggatctc taatgagaga tatgcatatt ttagtttttc attgtgtctg 480
gaattccagg atactcgtca agatgaaaag 510

<210> 8489

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8489

gggggtgaat taagatacaa aaattattcc caattacaat ttaacttcct tttggaatta 60
ctcaaaagac aattcaaaaa taaacttctt taaagcaaaa gataaataac aataaataaa 120
agaagtttaa gggaagagag aatacaaact caaattttat actgggtcga ccaccctct 180
gcctacgtcc agtccccaag cagcccgctt gagatttcca ctatctttaa aaagcttttt 240
acaaactctg aaccacacag gaacatcctt cccttggtgtt cagatatcct tacaacttaa 300
aagaccatcg gtctcttaaa cagatctctt tgaataagaa gaataatttt ctctcattaa 360
gaaaaagata ttacaattga agatcgatca agattcctta ttgaatttgc agtgtnttgc 420
caaggaatat tttgagagt 439

<210> 8490

<211> 448

<212> DNA

<213> Glycine max

<400> 8490

agcttcatt gttcaatttc gagggctctg atttattatg tttttgaatg agacctccga 60
aataaaagt atgaccattt gaattgctca agagcttcca ttgctcaatt tcgagcgtct 120
cgatatatta tgcgcctgaa tccgacctcc gaggtaaaag gtatgaccat ttgaattgct 180
caagagcttc cgttgttcaa tttcgagcgt gtcgatatac tatgagcctg aatccgacct 240

ccgagagaaa agatatgacc atttgaattg ctcaagagct tccattgttc aatttcgagc 300
 gtctcgatat attatgcgcc tgaatcggac ctccgagtga aaagtatatga acatttgaat 360
 tgctcaagag ctttcttttg tcaatttcca gccgtttgat gtattatgcg ccctaataccg 420
 acctccgagt gagaagtttt gaacattt 448

<210> 8491
 <211> 346
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8491

tgtatcagta taacccttcc agtttcaatt cagagtctcc atattcgatt aattggtgtt 60
 tagttcttct taagtactta agtatggcct taaccatttt ccaatgttcc tcaactgcact 120
 agcatatggc actctactca tgcgttctct ttcttcagga gttgttggac aattctccct 180
 accaagagta attccaacac ctacaggcaa atagcctcgt ttggaattat ccatgatata 240
 tctctntaag atagtatcaa tgtacataga ttgggagagt ccaagcaacc ttttagatct 300
 atctctataa atctttatac ttagaatata gactgcttct cccaaa 346

<210> 8492
 <211> 490
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8492

agcttccatt attaattttg aggggcttta tattttatgg gactgaattg tctcacctga 60
 gtaaaaagt attgccattg gaatttgctc ggtcttctt ttctaatttg gagcatctca 120
 atatatttcg ggactaaatc ggacatccga aaaaaaatt attttcgttt aaattttctc 180
 tgatcttccg tttttaattt cgagtgtctc gatataattc aggactcaat ctgacattcg 240
 agttaaaagt tattgtcttt tgaatttgct cgtagcttcc gatttttaatt tcgagcgtct 300
 cgataacta tgggacttct gagtaaatag ttattgccgt tataatctgc tgggagtttc 360
 tgtttttaat ttcaagcatc tcgatataat aggggactca atnggacatt cgagttaaaa 420
 agttatggc tttgaatttg ctcggaactt tcgcttttaa tttcgagcat cttgatataa 480

ttacaggact

490

<210> 8493
<211> 443
<212> DNA
<213> Glycine max

<400> 8493

agcttgaaga caagactata cgaggtgttt gtctttttta tagcaatata tctaagggct 60
accgtgtcta caacttgcaa actaagaaac tcgtcatcaa tcgagatggt gaagttgatg 120
aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
aactacctca agaagaagat gaggaagaag acccaggtga agcaccttct cttcatcac 240
aacaacaaga tcaagaacta tcataccag agtctactcc aagacgagta agatctttgg 300
tggacatata tgaaacctgt aacttggcca tacttgaacc tggaagcttt gaagaagcgt 360
caaagcacga agtatgggtc aaggccatgg aagaagagat acagatgatt gagaacagcc 420
acacatggga gttagtaaata cgt 443

<210> 8494
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8494

agcttcacaa aagtttgtat ggcttgattc natcttctat acagnggtac aagaagttta 60
atgagtttat gagcaactca cgattcaaaa gatgtgacat ggaccattgg tgctatgtta 120
aaaaatatac taatagttat gttatccttg ttgggtatgt tgatgacatg ttgattgtag 180
gatctagtac ggcagaaatt aacaggttga agcagtagtt ggcagaaaac tttgaaatga 240
aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300
gaattttgaa gctgtctcag gagaaatata tacacaagtt gcttgacagg ttttaccttg 360
gagattctaa gaccaggaat accccttgg gatctcattt gaagttntca aagaagtaat 420
ctttgcagac agatg 435

<210> 8495
<211> 410

<212> DNA
<213> Glycine max

<400> 8495

agcttactaa ggataggagt ctctatatTTT ttctttgacg actaacataa gcgtcgtgtg 60
atttgctctc aaagtccta cctgcctat atacattggc cagccccat cattgcaaaa 120
gctacttggt ctctcaaaca tggttcattc atcataaaaa acaatgaatt ttacctcccg 180
tgcccataga tcttcatatg tcgaggctat cagctttgag ctgatgccaa ccagctgaag 240
ctccctecta tgcacagcct tcacagatga gaatcgatcg acagagttca aggtggaata 300
tagagatgtc ggatgagctc aaactgcctg tgctcgtcta tcaaccagcc ccagagatag 360
aactcatctg ggcattaata tctggctgcg aacccatgta cacatgcaca 410

<210> 8496
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8496

tattaagata ctaagattat gaacgatgaa atccaatcct atgttcctca ttattatnca 60
agncgntatt attttcataa ttacgtatt tccgacgcac taaatttcgt tatttttgta 120
tttcccgat ttctgttatt tctgtcattt ccattatttt tgtaaataccg ttatttttac 180
ttttctttta ctttaaagtt gtctttagtt aatcaaacca aaaccaatga catttgatta 240
aatttgtaaa taactattaa actgataacc tgtatccaaa tgaattaagt aaactcaagt 300
tcttggtggag acgaactcgt ttataaatgt gaaacctaca atgtcaattg gtacgcttgt 360
caaaagtctt aacaagttca tggcgctggt gccaaaggact tgagccatcc acttagttct 420
ttcggaataa actttcaggt tgataggcta ttttactctg gaaattactt ttaatttgta 480
ttaaattcat cttttatttc ttctcaccct tgacttatta tttacatttg ataaatttct 540
c 541

<210> 8497
<211> 557
<212> DNA
<213> Glycine max

<400> 8497

agcttttttag taaaaaaata aatattttaa tatttataga gcaaataata ggctgagtac 60
cctaggtata aatagttata ttaagtcagc tgectccttt tggcctcatt ttcgtttttc 120
cccttctoct ctcaaaaccc tttctttttc ccgcagccca ccaaaccagt ctcagaaaaa 180
tgacgatctt gaaccggttc accgttggat cgctcgtgaaa tttgagtatc atgttcgcaa 240
cagaattccg agcattctca ccgttgggaa tttcgatatc atgtctgaac tgagagaaac 300
acccttgcga ttgtagcctt tttctttccc gcagaaaccc agagctgtct tggtaaaact 360
atgatcccggt tttcgttaac cgttggatta ttgtgaaatt tggatatgtt gttcgaaatt 420
caattccgca cgcttccacc gttgggattt gcgagataat attcgtggag ggagaaaaag 480
gaatcgcattg aagacagtat aagtggaggg ttcaatctct tctcgtctc tctgacgttt 540
gggaattcta tcggagc 557

<210> 8498

<211> 486

<212> DNA

<213> Glycine max

<400> 8498

agcttctata gaaggtttgt tcttaatttc tctattattg cgtcacctct caatgagcta 60
gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgttttgcta 120
aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac atatgataaa 300
gagctttatg ccttaataag agccctccaa acttgggaaac attaccttgt ttccaaggaa 360
ttgtcattc atagtgatca tcaatcactt aagtacatta gagggaaaag caagttaaac 420
aagaggcatg caaaatgggt agagtaccta gattcaattc catatgttat caaatataaa 480
aagga 486

<210> 8499

<211> 507

<212> DNA

<213> Glycine max

<400> 8499

agcttgcagt agtgggggacg cacggagagt tgtttatatt gtttgagacg aacatataacc 60
aaatcgcccta gctggaaatg gacgtcccga cgggtggcgat cagcatgggtt cttcatagtc 120
atttgtgctt tcaataggca attttgcagt ttggtgtgca gagcttgtca ggtggtaaaa 180
atggagtctg cagcctcgac gggagatgtg ccggtagtat acggggccaa tgttagaggt 240
ggtttgccat acgtgatctc gtatggagaa atgccggcag cagagtgggt tgacgtgttg 300
taactccact caatcaatga aagagaagag tgccacaggg caagcctgtc atggacgaac 360
gagcggaggt gttgctcgag agttcgatta aaaaccttgg tttgtccgtc tgactcaggg 420
tggtacgctg tgctataccg gagtttgggtg ccactaatgc agaataattc gcgccagaat 480
gagctgagaa agatgggggtc ttgattg 507

<210> 8500

<211> 634

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8500

agcttccatg agtcaggcaa aggagatgtg tttgtttctg tcctttgaga tggatcatgat 60
ggttccatcg ttcaagattg ctatgatgag aaccatgaag ggagagaagt cgaacttcca 120
gatcagagca acgagcatga agccaaacac gatacggatt gtgatagaaa cagcataaat 180
tgtgtagttc ttcatacctc ggaagatagc cctgcttgct aacacagcac tcacaatcac 240
actgagtccg ggctccgtca agacaatgtc agaggcactc cttgctgcgt cggttgcac 300
atccactgca atgccaatgt ctgctttctt caatgctggg gcatcgttca caccatctcc 360
ggtcattcca acaatgtgat ttctatcctg caacctcttc acaatctcat acttatgctc 420
tgcacatgta gaaaatctca tcagtttttc ttattaacct tattcatttc tctcttaatt 480
tgtggcatca aggttttaca ttgtcaatta attttgatag gatcatacta ttgttaatta 540
attagaaatc ttagtcaaact actataaaag tcaataattt tatcatatat gacaatctat 600
gatcagatga cagntgagat atcaatgttt ttaa 634

<210> 8501

<211> 434

<212> DNA
 <213> Glycine max
 <400> 8501

cccaactggc catgaagaaa aaatctgcac ttgtgggcaa actctgtggt ttaagcttct 60
 ctggcgacca ccacacaaaa ctttgtcctt ctgtgcgaca atctgaagca attgaacaac 120
 ctgaagctta tgctcgaaac atgtacaaca ggaccttctc aaccttaaca acaaaatcag 180
 ccacaacaga atgactgtga cctcttcagc aacaggtacg atcccggatg gaggaatcat 240
 cccaacctta gatggtagaa ttcgtcacia caacaacctt attttcaaaa tgttgttggc 300
 ccaaacagac catatgttcc tccaccattg cagcaacaac aacaacaaca acatccccat 360
 agacagaaac agttgatgcc actgcgacc ttccttgaag aacttggagg caaatgacta 420
 tgcaaaacat gcag 434

<210> 8502
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8502

agctntaagc aaattcaaac gacaatcacg ttttactcgg atgtccgaan gagncccgga 60
 atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaattcaaa cgaccataac 120
 gttttactcg gatgtccgat tgagtcccgat aatctatcga gacgctcgta attgaaaaca 180
 gaagctctga gcaaattgaa acgacaataa ctttttactc ggatgtccga ttgtgtcccg 240
 tagtatatcg agacgctcgt aattgaaaac agaagctctg agaaaaatca aacgacaata 300
 actttttact cggatgtccg attgagtccc gatatatatc gag 343

<210> 8503
 <211> 620
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8503

agcttgtaat cgattacatc atttatgtaa tctattacca gacacaaaaa attcaaattt 60
 caagtctgaa gagtcacaac tcttcagaaa ctaactgtgt aatcgattac cacatttatg 120

taattgatta ccagtaagga attttcaaaa ataactccta agagtcacaa ctgttcaaga 180
 agtttttgaa tggccatcaa aggcctataa ataggtgact tgggatatga aattccttag 240
 agtttttttg aacaacatag tcttatcctc tcaaaaccaa attgtcttat cactctcaaa 300
 atattccttg gtcaaaatac ttgcaaattc aataaggaat cttgatcgat cttcaattgt 360
 aatatccttc tcttaaatag agaaaattct tcttcttctt attcaaagag atctgtttaa 420
 gagatcgagg gtctcttaag ttgtaaggat atctgaacac aaggggaagg tgccctgtg 480
 tggttcanag tttngtaaaa gaattctaca agatagttga tatctcaagt gggttgcttg 540
 gggactgaat gtangcatan gacgtggccg aactagtata aaatctgagt ttgcattnct 600
 taaatcccta tctatcttct 620

<210> 8504
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 8504
 atccttttcc tgtggctcct gttcacaagt ttcttactaa gtcttttagct accggtgata 60
 ttgatggcca atgtgaatga tcaaagctag gatttgctct taagacagat cggaaaattc 120
 ctgattccgt gcgtgcgag aatgggtctac ttccacataa caatatgtat gagataaccc 180
 caatactcca taagtctct tcaacactat gagatctatg gagcacttca agtgccacat 240
 agtaagcact gccacaata tcattgaggc gttgatctgc atgtttatta gaagtcagag 300
 ctggtagtga aaaaaccaac aagaggatat caccgattac aagagaatga atga 354

<210> 8505
 <211> 488
 <212> DNA
 <213> Glycine max

<400> 8505
 tgctaacaaa aatattcatg taggtggacc ttcttcttct tatcatgact cacagcagcc 60
 tcctatccct cttccattcc cacctagagc aatttcaaac aaaaagatgg aagaagcaga 120
 aaaagagatc ttggagacct tcagaaaaag tagaggtgaa catacctcta ctagatgcc 180
 tcaagcagat tccaagatat gctaagtttc taaacgagct gtgcaccac aaaaggaagt 240

tcaagggcaa tgaaaggatt agcatgggca gaaacgtgtc agcattgata ggtaaactctg 300
 ttccatcatat tccctgagaaa tgtaaggacc caagtacttt ctgtataact tgcattattg 360
 ggaacagtaa atttgagaat gccatgctag atcttggagc atcagttagt gtcatgcctc 420
 tgtccatttt caattcttta tttcttggac ctttgggaatc tacagatgtg gtgattcatt 480
 tggcaaatt 488

<210> 8506
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8506

gcaagcttct tagtctcaga tgatgcacct tttnttttagc tacctcatgc actcctctaa 60
 tgactatggc attatttctg gcactaaact gctgagagtt ggaagccatc ttctcaaata 120
 aatttctggc ttcaacaaga gtcatgtctc caagggctcc accactggta gcatctatca 180
 tacttctctc catattactg agtccttcat aaaaatattg gagaagaagt tgttctgaaa 240
 tctgatggtg ggggcaactg gcacataatt tcttaaatct ctcccagtac tcatacaggc 300
 tctctccact gagttgtcta atacctgaga tacccttccct gatggctgtg gtcctggaag 360
 cacggaaaat tttttctaag aatactctct taaggctatc ccaactcgtg atggaccttg 420
 gagcaaggta ataca 435

<210> 8507
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8507

ttgaacaata tatttgtcct tcatttaact gtctnttttc acggctgcca cgctcaacaa 60
 agtattttcg acacctactg tacgttgatt tgaccaacgc tgttatggga atgttgcgac 120
 aatccttcaa aaccttattg atacattctg agagggttgg tgtcatgtgg ccataccgac 180
 gtctttctct atcataagcc atcgtccatt tttcttttga aatgcgatca atccatgttg 240
 ctatggctgg actcagttca cgaaattttt ctagattttg atcaaaaatg tgctcgcaag 300

gagtataggc tgcacaaat tagttatgaa taagaatttt aagtatatat caaagttaaa 360
 taaacttgac catgaaatat gaaatcttac ccaatttctt taacatttct tnttgtttgg 420
 cattattgaa tttccgattg aaagtgtctg ctatgtgtcg cacgcagtag acatgatagc 480
 cgtggggagg ttaccaacca agtgcttcgt tagcgac 517

<210> 8508
 <211> 570
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8508

agcttggttc ccaacgctct gttaagctct ctaattttta taggtaaatc taggatcttt 60
 gtcagatact atgctagatg gcacaccatg taacttgaca acctcactta tatacaaggt 120
 ggtcaacttc tccaaggaaa atctgatatt aatgggaatg aagcgagtag acttagtcaa 180
 tctgtcaaca ataaccaga tagaatctaa acctctaggg gttctagggt gtcttaccac 240
 aaaatccatg gaaatactgt ccacttcca ctgggggtatc tctaagggtt agaacttccc 300
 ttaaggactc tgatgttcta tcttagcctt ctgacagact aggcatgcat acacaaactc 360
 actaacgtgt ctctgtatgt tgggccacca aaacatcatc tttaaactct gatacatctt 420
 ggtagcacca ggatggatgc tcaaattact gctatgtcct tcctctaaga tcactttnct 480
 aagttcaagc acattgagaa cacaaactct atcttgaagt ctcgaaactt catctgatcc 540
 aacattgaaa ctagtgtccc ttctgactc 570

<210> 8509
 <211> 635
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8509

agcttttaac tcataatata ccagaattat attattttct attagttaat agttgaagat 60
 gaactttata aaatatccat agaggaatta caaccaccat gtatccaaat atgacttttt 120
 taaaatgcat agagtttgat aatagttaat aaaacaaatg aaaaggtaaa agtagaaccg 180
 aacaggacat gaagagaaaa ataaggttac tgataattaa gacatttgta ttactttttt 240

tatctgcgtt tataagtatt atttattaat atagaataaa tacataaaca gaataacttt 300
tctagcatta actaattgga tgagtgcaac taaacgttgt tgggttggttg cgcgcaactt 360
aagtaaactt tacttacaat agaaagttta aatcttctaa atctaaagat tagtctcata 420
attatataga aacattcggg taaaatcttg ctataacccc actccgttta attattaggy 480
taccacggaa aataacaatc caagagttgg gcaaagttta atggatagaa naggaagaaa 540
aaaaaatata tagacatgat gtaacctgga ccaaaaagtc ttacataaga taatatcann 600
ttgtatctta ttcttcagtg atcataagtc cttat 635

<210> 8510
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8510

ttcaaccctt ttctttcgta gtttctctga ggtaacctta acttcttcgc ctttccccta 60
gttagtttaa gcttctctta gtatctcata ntttttgcgt accttaatag gatgttttta 120
gacttcactt gaaaaccctt aaaactgaga tngttgcaaa agttaccttt tataaaattg 180
atgttgtttt cgtgaccttc attgaacccc agccacattg gcgtaatcag aatttcaaaa 240
tgacgtctcc ttgaagtaga aaccaaaaac accattttcg tcccttttaa aactgaatgg 300
gtatttgacc caaatgttaa tatcaacctt gcccttgaaa tatatatgtt agtgcttagc 360
tntactgagt tttaaaagat tggctaanaa tttgttaaaa cataagcact tagacaatga 420
aggaaagctt gagttactgc acatgatgtc taacattatg tcaaggaatc agattgggct 480
gcacaatgca 490

<210> 8511
<211> 618
<212> DNA
<213> Glycine max
<400> 8511

agcttaagct ccttcaactg cacaaggctc ttaatatttt tagagatcct tgtggaacct 60
tcacccgacg aagacactga caaaaaatta tcttctcctt cttggacaaa gtatggcatg 120

ctgggggcaa gtaaattttc ttcccatcag accttggatg caactgtgat cttataccca 180
tadcagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaagga 240
gcgtcccaat cacactgtca caaacatttt tctccacatg cataacatca atacaatgcc 300
taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360
aactctgact tttatccttc ttttgggtct toctaaatac agtggttcagg tgttgaacct 420
gctaataatac ctgctcacca gtgaacggta tcgggtgcaat atcatgctct tgacttccat 480
taaaagcttt tctcagtcgt ttgtaaagat gattgggtgt tagaaagcgg cgatgcctac 540
tgtagactgt ttttcttcca tgtttcagtg gtatgtaact tgtattttct tcacagatgg 600
ggcatgcatg atgaccct 618

<210> 8512
<211> 577
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8512

ccttgtatta atcttgaaac aatacttaac ttttgaatgt ttgttgaagt aatcttgaaa 60
gcaacattgt tggattattc tttggcatca tcaaatcat gtattcatatc attcacaaca 120
atattaggaa aaatcctttg aaatgacttt cttttaataa tcattgggttt atttatttta 180
agaaaccctc aaatattaat atttaaactt aatatatata actttttatat ataaatgggtg 240
tttatatttc tttttatata aaaacattct tcattttattt taatttataaa gtataaaaat 300
tatattttta aataataata tgtttttattt atgttgggtgc catccatatt tatattcacc 360
tgtcaaatac agtgattgga caaatcatth gaaatgattt tctttntata attattgatt 420
ttttatctta naagactctt agatatttaa atttaaatta atatatataa ctttatatga 480
aagggtgtta attcatttta tatcaaata tttattttta tttgataaag atattttctta 540
acattttgaa tcttttatgc acaataacat attatat 577

<210> 8513
<211> 545
<212> DNA
<213> Glycine max
<400> 8513

agctttcttg agaaaaacttc cttgagattc ttttttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc ttcataact aagctcacct ccttgagaag cttccttaag 120
 atgattccta aagaagctag agcttagcta cacatacctc tttaatagct aagctcagct 180
 ccttgagatg agaagctaga gcttagctac acacccccta taatagctaa gctcaccccc 240
 atgagaaaat acatgaaaat acaaaaaaaaa tccctactac aaagactact caaaatgcct 300
 tgaaatacaa ggctaaaacc ctatactact agaatagcca aaatacaagg ctcaaacgaa 360
 ggaaaaacct attctaatat ttacaaagat tagcgggctc atacttagcc catgggctcg 420
 aaatctatcc taaggctcat gagaacccta gggccttccc ttggatctct ggcccaatct 480
 actaggagtc ttctatccaa tgcccttgcg gagtaggatt gcatcaagca gtgtcatcca 540
 cgtct 545

<210> 8514
 <211> 515
 <212> DNA
 <213> Glycine max

<400> 8514
 agcttctcgc ctcttccacc tacattcggg aacttgcagc catcacaatg gccgttaaga 60
 agtggcgcca ttatttggtta ggccaccctt ttgtgattct cactgatcac cagagcttaa 120
 gggacctaata gactcaggca gtgcagacac cggagcagca ctagtatctc attcggttat 180
 tgggattcga atatagtatc cagtatcggc caagacgcga gaatggggta gcagacgtgt 240
 tatcgagggt tgccggagaa gaagctaagg cctccttgta cctactttca gtacctcaat 300
 tctcctttat tggtgacctt aagcatgagc tagccacaca cccagaattt ttgacgttgc 360
 tggagaaaat ctgctaagac ttagcagtag tctctgagta taaaattgag aatggattaa 420
 ttcttcacaa gcagtgcatt tggcctttcca tgggatcttt catcattcgc gtactcatgg 480
 aggaatttca cagcacacca acacgaggtc attat 515

<210> 8515
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8515

agcttgtgag attttatcat tggtttttcn ttantacacc agaatagata gttggaatca 60

tcaagctttt ctgaaatcga aggaaaagat tgatgtgaat gatgagagga agcggacaca 120

gcaaaattgt tttctgccat tgatgaatcc ttctaagaga ttggacatta tatcctccag 180

gttctgagtc tgtacgaaat gctgttggag ttcttcaaga gattggggca ttgtcagttg 240

atgaacaact cactcagcta gggcagaagc ttggctgtct tcctattcat ccatcaacag 300

gcagaatgct tattttttcc atattgatga tatgtcttga tccagcttta actcttgctt 360

gtgcattcga gtttaatgat ccatttgtgc atcccatttt acctgatgaa aagaagagag 420

cttcagctgc tagatctgag cttggttctt gtatg 455

<210> 8516

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8516

agcttgtgca ttcaatatcc tgatgaggat gttcatatgt tctcaagact ggactaatac 60

atttgttgcc caagtttcat gatcttgcag gtgaagatcc tcataagcat tttaaggagt 120

tccatattgt tttttccacc atgaaacccc ccgatgtcca ggaagatcat atctttctaa 180

aggtttttcc tcattctttg gagggagtgg cgaaagattg actgtactac cttgctccca 240

ggtccattac cagctgggat gaccttaaga ggggtgttctt ggagaaattc ttccctgcat 300

ctaggaccat tgtcatcaga aaagatatctt caccgatcan gcaagtggag agagcttgta 360

tgagtactgg gaaaaattca agaaattgtg tgcaagttgt cctcaccacc agattttctga 420

gtaactcctt ctacaatatt tctatgaggg acttagcaac atggagaaga gtatgattga 480

tgctgncagt ggtggagctc ttggtgatat gactctt 517

<210> 8517

<211> 560

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8517

tcaagagatc atccccctga caatattatt ggtgatatct aatatgggtg acaactagac 60
atttctcttaa agatttatgc aataatatgg cttttgtatc tatgattgaa cctaaaaata 120
taaaagaagc cataatagat gataactgga tcattgccat gcaagaagaa ctgaatcaat 180
ttgaaagaaa caatgtgtag aaattagtag aaaaacctga aaattatcct gtcataggaa 240
caaaatgggt ttttagaaat aaattagatg aacatggtat aattattgga aataaagcta 300
tgtagtagc aaaaaggat aatcaagaaa aggaatagac tatgaagaaa catatgctct 360
tggtgcaaga ttagaagcca ttagaatgct cttagcatat gcatccataa tggattttaa 420
actttatcaa atggatgtta agagtgttt ttctaaatgg cttaattcaa gaagaggat 480
atgttgaaca acccncgtgt tttgaaattc cggatacacc aaatcatgtt tattaattac 540
aaaatggctc ttatggtttg 560

<210> 8518
<211> 597
<212> DNA
<213> Glycine max

<400> 8518

agcttcatac atcagacca cttccagggt tgcgtgattc tacttcacat ggatttgatg 60
gggcctatgc atgttgaaag ctttgaggga aagagggttg cctatgttgt tgtggatgat 120
ttctccagat ttacctgggt caactttatc agagagaaat cagaaacctt tgaagtattc 180
aaagagttga gtctaagact tcaaagagaa aaggattgtg tcatcaagag aatcaggagt 240
gaccatggca gagaatttga aaacagcagg ttactgaat tctgcacatc tgaaggcatc 300
actcatgagt tctctgcagc cattacacca caacagaatg gcatagttga aaggaaaaac 360
aggactctgc aagaggctgc tagggctcatg cttcatgcc aagaacttcc ctataatctc 420
tgggctgaag ccatgaacac agcatgctac atccacaata gagtcacact tagaagaggc 480
actccaacca tactgtatga aatctggaaa gggaggaagc caactgtcaa gcactttcac 540
atttttggaa gtcatgttac atcttggcag atagagagca aaggagaaag atggatc 597

<210> 8519
<211> 267
<212> DNA
<213> Glycine max

<400> 8519

ttgaagagaa tccttgtgga accttcaccc gacaaagaca ctgacaaaaa cttatcttat 60
ccttttttga caaagaatgg caagctgggg gcaagttaat ttttttccca tcacaccttg 120
gatgcaactg tgatcgtatg cccatatcaa cttgatcttg acggggattc tagccatcct 180
tcgccgtgcc ttgaatgtta aagagccgcc caatgacact gtcaccaaca tttgtctgca 240
catgcataac atcaatacaa tgtctaa 267

<210> 8520

<211> 498

<212> DNA

<213> Glycine max

<400> 8520

cctttaatct aagctagttg gtaaaggtag acacccttga ggggtgatcc ctgatgacct 60
aaccttagga cctgaagtgg tacaacaaac cattgagaag gtcaagttga tccaagagag 120
gatgagaact acttagagta ggcaaaaaag ttatcatgac aagaggagga aagacttgga 180
at ttgaggtt ggtgatcatg tattcttgag agtcaactccg tggactgggg ttggtcaagc 240
attgaaatcc caaaaactca cacctcgttt tattggttct tcctaattct caaaagtgtc 300
ggtcctgtgg cataccatat tgcattaccc ctgtctcttt ctaatcttca caatgtcttt 360
catgtgattg atccatgacc catcttatgt tatcgattta gtgacgtaca attgaaggat 420
aacttgacat atgaaaactt tgcctttgat gatcgatgat tggcaaaca tagctcctta 480
aaggaagga gatttcat 498

<210> 8521

<211> 315

<212> DNA

<213> Glycine max

<400> 8521

agctttgggg tcgatggccc caatgacatt tttcttttc atggaaaaag gccaaagggg 60
ggacatgact ttcaaaagat gtggcggaac attgacattg tccgtgtacg cttgacattt 120
atggcatttc cttacatggg cgcagcaatc gctttccata gtgatcttcc tggccatagc 180
atgcccattg gcatgtgtcc caaatgaacc cccggggact tcctcaatca tgtagtttgc 240

ctccttggca tctacgcac gcaagaaggt catgttcggg tttcgttggt acaggaaggt 300
accactcaca aagaa 315

<210> 8522
<211> 403
<212> DNA
<213> Glycine max
<400> 8522

aacattaaat agcacggttc acctaactga gacaaaaaac aaaattcgac ccgttggctt 60
caccacggtc cctactacat atccgtcatg tcaaacttaa taatttttcgg ggggacatcc 120
ttcaattttc agcagtacca ccatacagcc tctcagaaga tttaacgaag atcattgcaa 180
acggcttttg gttctccatg gctaacctca ccaacaagaa accttcagct tcctgggtca 240
cccctctgta ctcatctatc tccatcatcc accaaaagca ccatcaaacc aaggaacgac 300
ctgagatcaa tatccagccc atacagatga ttcttggtca agaccctgtt cctgaaaaac 360
tggatcccaa acgaacaccg ggtgggaaag accctgaaaa ccc 403

<210> 8523
<211> 438
<212> DNA
<213> Glycine max
<400> 8523

ctaatacgtt tcaaaatttt tttatttaac acacaagaag atccgactcc agtgtataca 60
aaataatctt attaaactaa agtattacct gttgagaatt gcagatgatt tggcccagag 120
aaaatgaatg acaatgagga agaggagaac attaggaaca agagacagaa gagtataacc 180
agatctttca aacacaaccc aaacagctag tgtgaccaac aatatcccca cagtaagggt 240
ctttcgctc cacagtatta aatctgcaac tgcgttgaag catggcattg attcagcata 300
gattcaaaga tcatgatcaa ttaccaattc attattttct tctgagtctg acccatttcc 360
cattgggtact aaatgcaaat aaataactaa aacaacaag cacaggcgca gcccatatag 420
ctatttcaca gttaaaaa 438

<210> 8524
<211> 467
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8524

agcttgagat gaggaagtgt gaaaggggta tcagtttgaa aaactgaggg gcaagctggg 60
catttgctctg ctagaagaat tatagcagct actggtatct gaacgtgctc aaacgtctca 120
cttaacatta atagcacgtt cactactgag ccaaaacaaa ttcgaccgtt gcttcacacg 180
ttcctctaca ttcctcattc aaacttatat tttcgtggta atctcatttt cagcataccc 240
caacagctct cagagattta cgaaatcatt ccaaacgctc tgcttctcca tggctacctc 300
acaaaaagaa acttcagctc ctgggtcacc ctctgtacca tcatctncat catccaccaa 360
agcaccatca aaccaggaac gacctgaatt caatatccag ccatacaga tgattcctgg 420
tcaagcccct gttcctgaaa aactggttcc caaacgacaa caggag 467

<210> 8525

<211> 406

<212> DNA

<213> Glycine max

<400> 8525

agtattacct ggtgagaaat gcagatgatt tgggccagag aaaaagaatg atcgtgggga 60
ggaggagaac attggaaaca agagacagaa gagtataacc agatctttta aacacaagcc 120
aaacagttag tgtgaccaac aatatcccca cagtaagggtt cttccgcctc cacagtatta 180
aatctgcaac tgcgttgaag catggcattg attcaacata gattcaaaga tcatgatcaa 240
ttaccaattc attattttct tctgattctg accccatttc cattggtact aaatgcaaca 300
taataactaa aacaaacaag cacaggcgca gcccatatag ctattccaca gttaaaaaca 360
gggcccaaat ggacataaac aacacaccaa gggaaataaa agaaaa 406

<210> 8526

<211> 246

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8526

agcttgagaa tggaggattg ccttgagggtt tttctttttt gcaagcaagg aacacaacgc 60

caaactcaaa aatggaggaa cacaagaaag acaacgccac tnaatcatgg ggctccgaaa 120
aaaggtaaga atggaggaat tgcttgacgg tccactctta tgccgccatg gaacgccggg 180
gccatactca aaagtggagg accccacgaa cacgcctaag caatagcact cacgcggccc 240
caaaaaa 246

<210> 8527
<211> 329
<212> DNA
<213> Glycine max

<400> 8527

aacgctggtt ctacctcaaa accccttgaa ctacttcaca ttgaattatt taatccctct 60
agaactatga atttaagcgt aaattactat ggcttagcaa tagtgatga ttactcaagg 120
ttcacatgga ctttggtttt gaaaacaaaa aatgaagctt ttgaggcttt tcgcaaaactt 180
gccaagatga ttcaaaatga aaaaggtctt aacattgttt cacttggaag tgatcatgga 240
ggtgaatttc aaaatgagtc cttttaaaac ttttgagaag aaaatggaat tcaccacaat 300
ttttctgccc aagaacacct caacagaat 329

<210> 8528
<211> 434
<212> DNA
<213> Glycine max

<400> 8528

agcttttgca agctggaatc atttattcta ttttcgatag ccaatgggtg agtcctgtcc 60
aggtagttct gaaaaaaacc ggcctcaccg tcatcaaaaa tgagaaggaa gagttgattc 120
ctaactgggt gcagaacagt tggagagtct gcatcgacta taggaggctg aaccagggtta 180
ccaaaaagga ccattttccc ctgccattca ttgaccagat gcttgaacgc ctggcaggta 240
aatctcacta ctatttcctt gatgggtttt ctgggtatat gcaaatcatt attgcttctg 300
aggatcagga aaagaccaca ttcaoctgcc ccttcggcac ttttacctat aggaggatgc 360
ctttcggcct gtgcaatgcc cctggtacct ttcagcagt catgatcaat attttttagtg 420
attttttaaa aaaa 434

<210> 8529

<211> 534
 <212> DNA
 <213> Glycine max
 <400> 8529

agcttaataa aaatgttagt aggttgatgt tttttttacc ccaatttctt ataaacagag 60
 taaggcatca aattaatggt agcacctaag ttataaaatg ctctatcaaa ggacaagttg 120
 ccaatggcat aatctccttt aaaaatttgg catacttcgg catttcagca attgcctcaa 180
 caaaaggaat gttaacatgc aatttcttaa acatttcaac aaacttatca tcctatttag 240
 acctctgac atgatactga aggcttatgc aaatgttttg attttgattt taattttgca 300
 ggtgatgaga cttgtacaca ttttggttct gactctaacc ttgcctttga tctctttgct 360
 tttccaaga gaagtttagg taatgtctcg acccttggtt gtaggtatta aagtagggct 420
 ataaataata cttcttcac caacatagtt aacttccta gggccctgat gtattggcag 480
 cctacaaatc acattttctt attcccaca cttcctaaaa aacaaaaggg tggg 534

<210> 8530
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 8530
 agcttggttca cataggtaaa agaatagggt ttttctacat gttgaataat gaacatgcat 60
 catttcatga acttagttgc ttggtaagta agattgatga ttcttggtta tgacatcgta 120
 gggttgcaca ataaacatgc atcatcttaa tcatctagtt aaaaaggact tagtaattgg 180
 tatattgaaa ctcaagtttg agaaaaataa attgtgtgaa gcatgtcaaa aagggaaca 240
 agttaaaaat tatatttcaaa gtaaaaacgt tgtttctact tcaaaacccc ttgaactact 300
 tcatatagat ttatttggac cttcaagaac tataagttca agtggcaact actatggttt 360
 agtaattata gatgattatt caaggttcac ttggactttg tttttgaaac ccaaaaatga 420
 agctttggat gcttttcgaa aacttgccaa a 451

<210> 8531
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 8531

agcttcacgc acaaatacata aaagctgggc ttaaccaaca cgaacccatc cccaacactc 60
tcttaaagcg atacggcaaa tgcgggtctta tccaagacgc actccaactg ttcgacgcat 120
tgccccgccg agaccccgtc gcatgggcct ccttcctcac cgccgtgcaac ctctccaacc 180
gccctcaccg cgccctctcc atctcccgct cctttctctc caccggcttc caccgacgacc 240
acttcgtctt cgccctccctc gtcaaggctt gtgctaactt ggggtgttctt cacgtcaaac 300
aaggggaaaca agtccatgct cgcttcttcc tatcaccctt ctccgatgac gacgttgtca 360
agtcttcttt gattgatatg tacgcgaaat tcgggttgcc cgaataccga cgtgccgttt 420
tcgactcctt ttcttccttg aatttaattt cttggactac catg 464

<210> 8532

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8532

agcttttgct tctgttcaat atataattac tgaatcntta ctttggmngg ggaatccgag 60
ccgttcattg atggtcggca agtatgatgg tcttaatgaa gatcctacac gtatttcggg 120
tgtatctcac aggcggtttt aaaaaacctc gogaattaac ttgggggtacg ggtgtagttt 180
tggtgtatt gactgcatct tttggtgtaa ccgggtattc cttaccttgg gatcaaaatg 240
gctatggggc aggtttaatt gtagcagacg atcccgaactc taagtttgtc ctctgatgct 300
attggccttt gctctacttt atgatctttc aactgggtaa cccaatttt ttgatgggga 360
gcttttgaaa aaatgtgtta ttttcccc 388

<210> 8533

<211> 487

<212> DNA

<213> Glycine max

<400> 8533

agcttccttg agaaactacc ttgcgaaatt tcttttttta tctgccttga gaagctagag 60
cttagctacg cacacgcctg taataattaa gtcacctgc ttgagtagct tccttgaaaa 120
gcttccttga gaatattcct agagaagcta gagcttagct acacacactt ctctagtatc 180

taaacacacc tccttgagat gaaaactaga acttagctac acacaccccc tataatagct 240
 aagctcaccc ccatgccaaa atacatgaaa atacaaaaaa gtccctacta caaagactac 300
 tcaaaatgcc ctgaaatata aggctaaaac cctatactac tagtatggcc aaaatacaag 360
 gcccaaaaga aggaaaaaacc tattctaata ttacaaaaga agagtggacc caaccttggc 420
 cgatggtcgc agaaatctac cctgagcttc atgagaatcc tagggccttt ttagtagct 480
 ctagctc 487

<210> 8534
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 8534

cttctggggg gacatcttga cttgctttcc taactgacat tcaccacaga ttctggcttc 60
 ttctattttc agattgggaa tgcctctaac agcacctttg tcaatgattt tcttcatgcc 120
 tcttaagtgc aaatgtccaa atctttgatg ccatattgtg acttcatctt ctttggagga 180
 tagacatgtg gaggagtaac tggattcttg aagtgtccat aggtaacagc tgaactttga 240
 taagctgccc tttcttagaa cttcggtcct tccatttgct acctagcatt ctgaatttgg 300
 aagtt 305

<210> 8535
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 8535

agcttgtgtc acgattcact gttttatttt ttagcgccac tcaactaacg aatcacccgaa 60
 tgtaccatga gaggacaaaag cacatagatg cgaaactaca ctctatgaaa gatgtgattg 120
 aatctgagaa ggtgaaggct gataatgttt caacagaaga aaacccggct gatatgttta 180
 caaaatccct ctctagtgtc aagttcaagc actgcttggc cttgataaat tttgaggatg 240
 cctaaagcag attggtagaa gtgcacccct gaatcgcaag ataagcactt gttgatttgg 300
 agtcaagggt gagatttgtg gtgtgtgact caaaatcaca aatggcacia gtgggaagac 360
 tttaagaggt gctattctaa ctaaattcag ttatgataac cgaattg 407

<210> 8536
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 8536

agcttagtaa agctaagcac tatcaatctc cccctttggc aaattttgtc taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgccagtg ggatcagcaa ctttcattat 120
 caaagcaaac aaccacaacg ggatgtgtaa gggcgacagg aaaattctgc aagttgcaag 180
 tcggtttccg gatgtcaaga catctcacgt gacatcagct ttttgctccc cctgactcca 240
 tgctcttact gctgtgaagc aggtcactgc agcatcttct atcagctact agtcttttcc 300
 aggatgtcaa gacatctcat gtgacatcag ctttttgctt cccctgtctt catgctcgta 360
 ctggattttc tatcagctac tagtttcaat agcttacat 399

<210> 8537
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8537

ttgagcaaat tcaaacgaca ataacttttt acacggattt ctgattgagt cccgtaatat 60
 atcgagacgc ttgaaattga ataccgaagc tctgaggatt ttcaaacgac aataactttt 120
 tactcgaatg tctgattgag tcccgtataa tatcgagacg ctcgaaattg aatgttgaag 180
 ctctcagcaa attcaaacga caataacttt atactcgaat gtctgattaa gtcccgtaat 240
 acatcgagac gctcaaaatt gaatgttgaa gctctcagca aatt 284

<210> 8538
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 8538

agagcgtctc tgtatattac ctgactcaat cagacataca agtaaaaagt tattatcgtt 60
 tgaaaatcct cagaacttcg gtattcaatt tcgagcgtct cgatatatta cgggactcaa 120
 tcagacatcc gagtaaaaag ttattgtcgt ttgaattagc tctgaggttc agaattcaat 180

ttcgcgctc tcaatagatt acgggactca atcagacatc cgagcaaaaa gttattgtcg 240
 tttgaattag ctccagagctt cagaattcaa tttcgatcgt ctcaatatat tacaggactc 300
 aatcagacat ctgagtaaaa acg 323

<210> 8539
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 8539

tagcattctc atcaatggct ttatacttga attcttcacg cttaaagccc acttgcatga 60
 cccacatcga gtgaaacgcc tcaacaacca tgcccatagt ttttatcaac cttggcccct 120
 gtctattgat ggagtgaccc ttctgcacca tactgtcaaa caactttaca ccgttgctca 180
 actccatgac cagaagcagc gccgagaaat cctcgttctt cacttacatg cagacaatgt 240
 tggcgagatc cgacaaagag cgcattatat gaatc 275

<210> 8540
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 8540

ttgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacatgcaca 60
 gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
 atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgagg 240
 gaaagaatga cagatgaaaa gctgggtgaga aagatcctca gatctt 286

<210> 8541
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8541

tgtgcctttt cacgtctttt atatgaatgt agcatataga tccaaagacc cttaggtgct 60
 ttgttgatgg cttcttcccg atccaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaacagcag ttagactgc ttcagcccag aatgtgttag 180
 gtagtccctt ctcttgagc atcgatctag ccatctccat aactgtgcga ttctttctct 240
 cggacactcc attatgttga gaagaatatg cgactgtaag ttgt 284

<210> 8542
 <211> 331
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8542

actttgatta tccttctgat acaatgctgt caagaatgaa gattggatga aacctcaaaa 60
 gaaatcttat tattcacctt acagcttga agaatgctga ttatccattt ttgttttttt 120
 nttttttctt gaagcagtag ttctaggtcg tctcactttt ttcaaaatgt ttttcattat 180
 taagaaaagg taacgaagat caaattcgag cttgttttat agtccaggag acttcacttg 240
 ggggtattatt ctgcaccctt atcctgagat ctatataatg aagggaacca aaaagtacca 300
 cagagttgga ccatggaatg gtttgtgttt c 331

<210> 8543
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 8543

tgtaatcgat tacacacata ctgttatcga ttatcagagg agttttttcca gaaaacattc 60
 tcaacagtca catcttttta tctgtttctt aaatggccat caaaggctta tatatatgtg 120
 acttgagaca caaattgaac aagatttttt cagaacaaaa aggtcttatc ctcttaaaaa 180
 gcaaaattgt ttcatcctct taaaaattcc ttggccaaaa cacttgtgat tcaataagga 240
 attatttgag tgcgcaaatt gttcaatcta tctctttcaa g 281

<210> 8544
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 8544

agctttggaa atgattttcta tacaaaagtt agtcgtataa agcgactaac aaatcttcag 60
 taatatcccg ccaaaccag aaaactccta atctcaaaca cagacttaag actctccac 120
 ttaagtacaa cttctatctt agaaggatct atatctatac tgccttagga tatcacatgt 180
 cctagaaaac taactttatc taaccagaac tcacacttgg acaacttagc ataaagttgt 240
 cgggttcctaa gggtttgcaa cacaatcctc aagtgtctct catgtctctt tctagtcttt 300
 gagtatacca aaatatcatc tatgaaaact accacaaaac tatcaagata ggggtgaaag 360
 at 362

<210> 8545
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 8545
 agcttcccag gatctttcat ttttgaaatt tttaggtaga aaatcttctg ggtctcctgt 60
 aagaagccta tatctctgtt agcaagcagt atatcatcgg catataatac taagaatatg 120
 tatttactcc cactgaactt atgatataca taatcatcaa ctacatttgc ctcgaaacca 180
 tatgaggtaa tgacttgatg gaacttgtaa taccattgac ggaaagcctg tttgagacca 240
 tagatggatt tcttttagttt gcataccatg gactttgagt cacctaacac aaagttttct 300
 ggttgcacca tataaatcgt ttcttcaatg tcaccattta gaaacgcaat cttgacatcc 360
 a 361

<210> 8546
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8546
 tcgaacctct gttggagttg tcggttggtg ccactccata accgactcca ccttgttcgg 60
 atccaccgca acccgcctc tagaaatcac gtgccctaag aactgcactt tctccaacca 120
 aaagtcacat ttcgacaatt tggcgaacaa cttcctgtcc ctcaggatat gcaatacaat 180
 cctcaagtgc ttctcatgct cctccttatt ccttgaatac actaggatat catcaataaa 240
 cacaaccaca aactggtcca agtaatcatg gaatatacgg tt 282

<210> 8547
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8547

agctttttat tctaattcag ttttccatga gagtacccta atgtctgaag tttatgggat 60
 taagaagggtc attgaccaat ccttatttta tgatttaaca aaattaccta gtgaagggtgt 120
 gcctttttgag ggtgcactaa ttgatgattg gaaattcgat ttttctgtgc atgatgcccg 180
 ccgggttggtt ttcaacaacc aagcggatat gaccgaaagg cttcttgccg gatcattggc 240
 ttttgaaaagc cacatcctcc attaccttat tgttcgcata ttactcccta gatcttcaaa 300
 ccttgctcag gtttctaaag aagatctcat tgtcatgtgg acctttcat 349

<210> 8548
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 8548

ttgagtttct ttgagcagat gttgaattat ggttgcatc caaattcaaa tacatgggag 60
 attctttctg agggccacat tgcagataag aggatttctg aagccatgtc ctgcttgaaa 120
 gaagctttta tggtgctgg tggttcaaag agttggagac caaagccctc atacttgtct 180
 gcattccttg agctttgtca agagcaagat gacatggaaa gtgctgaggt ttttaattgga 240
 cttctgaggc agtcaaaatt taataaaagt aaagtttatg catct 285

<210> 8549
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 8549

agcttgctga tatgatcgca ttttgagcat aaccaatca cctgggggggt actctacttc 60
 tcttctttta gcatctgcga tgggtctcat tttctcctga gctttgagaa gctttttcct 120
 aattgtttga aatattccct ccctgtctgt cagcatttca tcaacgacat tgagtttgga 180
 tgatcctgcg agatattccg aaaaattgaa tggcttgccg ccaaatgtga tttcatatgg 240

agtcacccct cttcctgcgt tccatgaggt gttgtgagac cactccaccc agagaaggaa 300
 ttttccccat tgtttaggtc tgccatggac g 331

<210> 8550
 <211> 350
 <212> DNA
 <213> Glycine max
 <400> 8550

aactagatgc atgggttact tgggaaccca gctggccttg aatcaaaaat ctgtacctat 60
 cgcaaagggtt tgtggtttgt gtccttttgc tgaccaccat acagaccttt gcccttccat 120
 gcagcaacct ggagcaattg agcagcctga agcttatgct gcaaataattt acaatagacc 180
 tcctcaacct cagcagcaaa atcaaccata gcagaacaat tatgacctct ccagcaacag 240
 atataaccct ggatggagga atcacccata cctcagatgg tccagccctc agcaagagac 300
 cagagcctcc attcagagct taaccaatca gatgggacaa ttggctaccc 350

<210> 8551
 <211> 289
 <212> DNA
 <213> Glycine max
 <400> 8551

tccgttggtc aattttgagg tactcgatat attatgcgcc agaatcgaac atccgagtga 60
 aaagttatga ccatttgaat ttctcgagag ctccggttgt tcaatttcga gcgtctcgat 120
 atattgtgcg cctgaatctg acctccgagt taaaagttat gaataattga atttcacgag 180
 agcttccggtt gttcaatttc gagcgtctcg atatattatg cgcttgaatc tgaccaccga 240
 gtgaaaagtt atgaccattt gaaattctcg agagcttccg ttgttcaat 289

<210> 8552
 <211> 280
 <212> DNA
 <213> Glycine max
 <400> 8552

taggagagga tgtaaccgaa gtcacaaaag gagatgtggt tgttccaatt ttcttacctg 60
 attgtgggga gtgtatagat tgcaaatcaa gcaagagcaa cctttgttca aagtttcctt 120

ttgaggtgtc tccttggatg cctagacatg ccacctctag attcacggat ttaaaaggag 180
 atatcataca ccatttcttg tttgtgtcta gttttagcga gtataccgtg gttgacattg 240
 ctcatctaac caagattgat ccagcaatac cacccaacag 280

<210> 8553
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 8553

tccatcatgg gctaagtttg atttatgtag ggctgctgtc tattggaaaa ccatgaatgg 60
 cctccctcct tcttcagtaa gtataaaagt attgagttaa ctctagctt gttacttaat 120
 caattacctt ttagtaaaaa aatttacaaa ttttggcagg gagaaaagct aaaacttttc 180
 tataatccag ctgcaactca acttgtccct aatgaagaat ttggaattgc ttttaatgg 240
 aatttttgca atgtcacttg gttgcccaaa aatgtcattt tccat 285

<210> 8554
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 8554

agcttgggccc atttgctcca accaattatg cattggaagg atcagttgct atcgccggag 60
 ctgcagtgcg gtggcttaaa aacagccttg gcatcatttc tagtgcttca gaaatagaag 120
 agatggcatt acaggttgaa tccactgttg gggtttggat tgtttgctcc atgggtggcgt 180
 gaggatgctc gcggggtttg tattggaata acaaggttta caagcaaagc tcacattgct 240
 cgagctgtgc tcgagagcat gtgtttccaa gtgaaagatg tcttggattc aatgcataaa 300
 gattcacgag aaagtgaatc caaaagaag tttgtgctta gattggat 348

<210> 8555
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 8555

agcttattga tttttgtatc taacatttta gtctttaag gcttatccat ccttcccttg 60

acctctggga agtgtttgag tcttaagcag ctacccaaac aaaggatttc gagagatgac 120
 aaatagattg tcggcacaaa actttggagt tgagtgcagt ttttagcact tacgacaaca 180
 aggttagtga gatgcccaac ttatttatga atgctaacca gattctcgca tccattaagt 240
 gccaatcttc ttaaattcat ggactagac acataaggaa atttagtaac catacgacaa 300
 taagataaat tcatgtaagt caaacttttg caatgatgta taaagaaaa 349

<210> 8556
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 8556

tgtgcattca atatccttat gaggtgttc catatgttct caagactgga ctaatagatt 60
 ttctgcccac gtttcatggc ctgacagtg aagatcctca taagcatctt aaggagttcc 120
 atattatttg ttccaccatg aagccttctg atgtccaaga agatcatatc tttctaaagg 180
 cttttcctca ttctttggag ggagtggcaa aagattggct atactacctt gctcccaggt 240
 ccattttcag ttgggatgac cttaagaggg tgttcttgga 280

<210> 8557
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 8557

tgaatcggac atccgtgtga aaagtatatga ccatttgaat ttgtcaagag ctaccgttgg 60
 tcaatttcga gcctctcgac atattatgca cctgaatcgg acatccgggt gaaaagtatt 120
 gagcatttga atgtctcgag agttttcgat gattaatttc cagcgtatag atatattata 180
 agcttgaatc ggacatccgt gtgaaaagg atgaccatgt ggatttcaca agagctttcg 240
 ctgttcaatt tcgagcgttt caacataaga tgcgcccga tgggac 286

<210> 8558
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 8558

agcttataat atatcgatac gctcgaaatt taacatccga aactctcggg aaattcaaat 60
 agtcataact tttcacatgg atgtccgatt cgggcgaata atatgtcgag aggctcgaaa 120
 ttgaataacg caagctcttg agaaattaga caggtcttac ttttcacacc gaagctctcg 180
 tgaaagtcat atggtcataa cttttcacac tgagggtccga ttcagggttta taatatatcg 240
 atacgcgcga aatttaacat acgcaactct ctataaattc aaatggacat aacgtttcac 300
 acggat 306

<210> 8559
 <211> 290
 <212> DNA
 <213> Glycine max
 <400> 8559

tcaacattca attacgagcg tctcgatata taacgagact caatcagaca tccgagtaaa 60
 aagttattgt cggttgactt tgctcataac tttatcattc aatttcgagc gtctttatat 120
 attacgggac tcaatcagaa atccgagtaa aaatttattg tcgtttgaag ttgctctgag 180
 cttcaacatt caatttcgag cgtcttgata gattacatga ctcaatccga catccgagtc 240
 aaaagttatt gtcgtttgac ttgggtcaga actttaacat tcaatttcaa 290

<210> 8560
 <211> 344
 <212> DNA
 <213> Glycine max
 <400> 8560

agctttgagg aaattcaaac gtctatacct tttgacacgg atgtcggatt gagtcacgta 60
 atatctcgag acgcttgaaa ttgaataccg aaactctgag caaattcaaa cgacaataac 120
 tttttactcg gatgtcggat tgagtcacgt aatatgtcaa gacgctcgaa atagaatacc 180
 gaagctctga gcaaattcaa acgacaatac ctattgactc ggatgtcgga ttgagtcacg 240
 taatatctcg agacgctcga aattgaatac cgaagctctg agcgaattca aacgacaata 300
 actttttact cggatgtgcg attgagtcac ataatatgac gaga 344

<210> 8561
 <211> 284
 <212> DNA

<213> Glycine max

<400> 8561

tgaaaaaata gtgggcatca tgcaagatgg tctacttaag aagtttaaac tcacatcctc 60
tattagcaca aacaacatgc atctatttga cacagaaggg aaaattaaga aatatgagaa 120
tccagaacaa agtacaacct ttatcatggt aagttttgaa taagatcaat taacaataat 180
gtttcacacg ctactatatt tatgtgattt cttatgcagt tcttgaagag ttcttcctcc 240
ttcgggtgaa gtattatgag agaaggaagg tgagttttgt gttt 284

<210> 8562

<211> 281

<212> DNA

<213> Glycine max

<400> 8562

tggagaatcg tctcttcaac aatatgattt gaagacaatt gaagtaattc aaagaaaact 60
ctttctcatg aaattgagat taattcattt tatttggtgt gtttttgtgc aggaaaacca 120
ctttcttgga acactcggct taaaatggct atcagtgcag ctcggggatt agctttctta 180
cacagctcca acaacctatg catattcaga gatttcaagc ccttaaatat actacttgat 240
gaggttagtt attttttgtt agttgatttc tcacgatgga a 281

<210> 8563

<211> 289

<212> DNA

<213> Glycine max

<400> 8563

ccttgagaga ggtcctatag agcctccctt gtcgtcggag gcaaagtatt gaccaattgg 60
tgagagagca tagagtctct ctctcacacc atcttcagtg gtgcgaatgg agcaattgag 120
aagagagtaa cttgccaaca ccggcaatat gcgttcaagc ctattagcca attgaggggtg 180
tggttttggg agcaaagaag caatctcaga ggctgacaaa gtcgaactct ctgccttgtc 240
tatgatatca aacaaattca gatcaacagc agcgttcaag attgccgga 289

<210> 8564

<211> 290

<212> DNA

<213> Glycine max

<400> 8564

taacaatcag tgtcatacta ttgatcaaaa catagcaggt ataaatatgc aatactagac 60
tcaaaatatg caacaaacac tagacctaaa tcagtgtcac agaaattgga agaaaatatt 120
ttatccaagc acaaacttca agccttattc catgtattgg ggggaagtta tggctggcca 180
tatgggtaga ggtgtcatag aggagcaggt atggaggaag ggaccttgga ctgctgaaga 240
ggacaagttg cttgttgagt atgtcaggtt gcatggtgaa ggcagatgga 290

<210> 8565

<211> 283

<212> DNA

<213> Glycine max

<400> 8565

ttgagccaat tcaaacgaca ataacttttt acttgatgt ctgattgact ctcgtcacat 60
atcgagacgc tcgaaattga atgttgaagc tctgagcaaa ttcaaacgac aataactttt 120
tactcagatg tctgatatag tctcgtaata tatcgagacg ctcgaaattg aatgttgaag 180
ctctgagcta attcaaacga caacaacttt ttacacggat gtctgattga gtcctgtcat 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aat 283

<210> 8566

<211> 340

<212> DNA

<213> Glycine max

<400> 8566

agcttcaaca ttcaattttg atcgtctcgt aatattacgg gactcaatca gacatccgag 60
taaaaattta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctca 120
atatattacg ggactcattc agacatccga gtaaaaagtt attgtcgttt gaattagctt 180
agagcttcaa caatcaattt cgagcgtctc gatatatcac gggactcaat cagacatccg 240
agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtct 300
cgatatatga caggactcaa tcagacatcc gagaaaaaag 340

<210> 8567

<211> 280
 <212> DNA
 <213> Glycine max

<400> 8567

tgcatcaata taacccttta attttaactc agaatctctc cataagtgag gaactcgtct 60
 ttagttcttc tcaagtactt aagaatggtc tgaagtactt ttcaatgttc ctcaccgagg 120
 tttactggat attgactagc tgcacttagt gaataagcaa cattaggacg tgtacaaatc 180
 atgatataca tgatagctcc cactgcgctg gcatatggta ctctagtcac gcattctttc 240
 tcttcatgag tttaatatata ttttgtaaga tgacccttgt 280

<210> 8568
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 8568

agcttttcgt ttggcataac tatatcagcc aaatctatct caggtgtatt gtttggagca 60
 caaaagttat attaaacatt tgtgtacaaa agctgacaag caagatgtca cagtagttat 120
 atgtccactt tgtgccaag gagttcgctt agttcctgat caagatccaa acataacttg 180
 ggagaatcat gtcaacaccg agtgcgaccc atcgaattac gagaaagtca caaagaagaa 240
 aaaatgccct gtccctggat gcagagaaat attagtattc tcaaacacaa ttaagtgtca 300
 ggactgcaca gtagagcatt gtttaaagca 330

<210> 8569
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8569

agcttgctaa cccatggaag ctctaatat ctccacact ttttggggtg ggccattctt 60
 ggatggcctt gattttctca aggtccactt ggacccatt tctaccaact acaaaacctt 120
 agaaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac tgaaagaact tgtctgagat gtcttaagt atcatctagg ctctactat 240
 aactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300

gatgcataag cctcataaag gtgcttggtg cattagtgag cccaaa

346

<210> 8570

<211> 343

<212> DNA

<213> Glycine max

<400> 8570

agcttatcac cctgacccca tattgcataa actttcttcac catgagcagc ctcatcacct 60

atctccatat cctcttttaa aattctcaat ggaaaaaaga tccgaatgaa ggtgacaaag 120

ataacaaaga taatcccaag gatttggact cccatttggc tgaagccggt gctgagcttg 180

ttggaaccga aaccataaaa gaaaacaacg tattgagcat catgtccata gaacaaccg 240

ttgagtcttg gatcagcaaa gagcccagtg aggagtcctc ctatggtttc tgcaatggca 300

tgagtatgga aactgccat aatatcatca accttctgca gta 343

<210> 8571

<211> 339

<212> DNA

<213> Glycine max

<400> 8571

agctttgctt ctacatagag gtttaagaat aatcttctga tcatgggtgct ggaaagaaat 60

cttgttggtg aatcatgcac tgctttggtg taatactggt atgggtcttcc caacaatata 120

tgagtcacct ccattggaac tacatcacac atcacccat cattgtatct tccaatgggtg 180

aaacacacct caacctgcta agtcactttt acctcatcat cttcactaag ccaactgaagt 240

ttgtatggcc taggatgtgg cttaatatcc aaattcagtt tgacattaac ctggaatttg 300

caacattggt acaacttcct ctatcaacaa ttaaagaac 339

<210> 8572

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8572

atactcgat gtccgataga gtctcggttat ttatccagac gtcctcanatt gaaagcagaa 60

gtccttagca aatcatatg acaataactt attctcaaat gtccgattga gtcccgtaat 120

atatcaagac tctcgaaatt gagaacagaa gctntgagca atttcaaacc acaataactn 180
 tatagtcgaa tgtcctattg agtcccgtaa tatatcgaga tgctccaaat ngataatgga 240
 agctcgtaca aaattcanac gacaataaca ttatacaggg atgtctgact gagtcccgt 300
 atatatcgag acgctccana nnttgaaatg gaagctcgta ccaattcaaa cgacaatnaa 360
 cttttac 367

<210> 8573
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8573

ctgcagctgg attccttttag tagggaatct atccttecta agatggagcc aaaccagtc 60
 accctcatta agaaactagc tctttcttcc tctattgect ntagttgaat acacctttgt 120
 ttgggttctct attaggttct taaccctctc atgcaacttc tttacaaatt ctgacctaga 180
 ttcccccttct ttatgtataa aagaagtgtc caatgggagg ggaatgaggt ctaacagtgt 240
 taggggattg aacccataga caatctcaaa nagggactgc ttggtggttc tatgaaccn 300
 ncttgtgtan gcanattcta catgaagaat atactca 337

<210> 8574
 <211> 286
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8574

tggagaagag agtgattgtc gagtccaaac gtcaggtaga cgtcatctct atcctccagg 60
 aaggatcatg catatagtcc ctactgcaca tttgtctgan aatattccta attcacatca 120
 caatgtgtct gatgagaaac atgtctacct atatgaaacg cctagagatc tgtatggaaa 180
 gctcagactn tctagaggga tgatacttga tcatatgacg aaccagtatc tgaagatgtt 240
 acaacaatta atcaatcaac tagagaaaga cagcttcaaa tctcgt 286

<210> 8575
 <211> 280

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8575

actcggatgt cggattcaag ttcataatat atcgagacgc tcganattga ataattggaag 60
 ctattgagca attccaatgg tcataacttt taacttcgga agtccgatga ggcacataat 120
 atatngagac gctcgaaatt gaacaacgga agctctcgag aaattcaaatt ggtcataact 180
 ttttaactcgg aggtcggatc gagacgcata atatatcgag acgctcgaaa ttgaacaatg 240
 gaagctcttg agcaattcca atgggtcataa ctnttaactc 280

<210> 8576
 <211> 264
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8576

tttgatatag cgaagaattc gtgttacggc cttaagatga gtagtggttg gagtctncat 60
 gtattggctt atgagtccag tagcatatag aatgtcaggt cttgtgcacg tcanatatca 120
 caaactaccc accanacgct tgaaatttgt agcatccacc ttgatgcttt gtcaaacttc 180
 aataaacttca ttttgcactc caccggtggt ccaattggct tatagctatc catcttgagt 240
 ttcttgagca tcttcttcac atag 264

<210> 8577
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8577

tcagactgat ggccaaactg aacggaccat tctgtcgttg gaggaacctt tgagggcgtg 60
 tgtcttagag canaatanga gttgggagag ntttctgccca ttgatagagt tcacttataa 120
 aaatagttnt cactctacca ttggcatggc tccctatgaa gctctgtatg gtagaaagtg 180
 taggacacct ctatgttggc tagagcccgg agaagacctc accttatgat ctgaagtggg 240
 acaacaaacc accgagaagg taaagtgat 269

<210> 8578
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8578

gcggaagtat atgtaaatca caccctaga tttgaanact cagacaagcc taatcatgnt 60
 tttagaatta aaaaggctnt atatggctta nagcaagccc ctaaggcttg gtatgagcat 120
 tngagtaagt tcctttttaga aaaggatttc tcaagaggca aagtagatac tactatnttc 180
 ataaagagaa nattacatga tanntttatt ggtcaacatt atgttgatga ataatattn 240
 ggatctanct aatgaatata gtgcaaggaa ttctctcatg acatgcanag tgagtttgaa 300
 atgtcaatga t 311

<210> 8579
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8579

agtatccttg tggaaccttc acccgatgaa gacactgaca nanacttata tntgccttct 60
 tggacaaagt atggcaggct gggggcaagt aatatttctt cccatcaaac cttggatgca 120
 actgtgatcg tatacccata tcagctagat cttgatgggt attcaagcca tccttcgtct 180
 tgccttgaat gttaaggagc gtccaatca cactgtcaca aacatctttc tncacatgca 240
 tatcatcgat acaatgtcta actgtgagat cagccagta cggaagatca aagaaaatgg 300
 acctcttctt ccatatgcaa cgctgact 328

<210> 8580
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8580

agaagctaga gcttagctac acatacctct cttatatcta tctcacctcc ttgagatgag 60
 aagctagaac ttagctacac acccnctata atagctaagc tcaccncat gacananaac 120

atganaatac aaaaaaaaaa atccttacta caaagactac tcaaaatgcc ccgaaataca 180
aggctaaaac cctatactac tagaatggcc aaaatacaag gcccaaacga aggaaaaacc 240
tattctatat attacaaaga taagcgtgct catacttagc ccatgggctc gaaatctacc 300
ctaaggctca tgagaaccct anggccttcc ctnggatctc tagcccaatc tacttggagt 360
cttc 364

<210> 8581
<211> 171
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8581

cactcggatg cgatcagggtg cataacatat cgagacgctc gaaattgaac aacagaagct 60
ctcgagaaat tcanatgggtc atatactttc acatggatat ccgattctgt ggtataatat 120
atctagacgg tctaaattga acaactactc gatataattaa atggcataac t 171

<210> 8582
<211> 302
<212> DNA
<213> Glycine max
<400> 8582

acttctttct tgcacttata ttccttaaat ttgtgttttag atcttaagaa tgagtctttt 60
attctctggt atatcacaaa tgaattctgt atcttaatta tattgtccac attctcgaga 120
tggacacata cagataccat ggccactcca tgtctgatcc tggcagcaca taccgtacac 180
gtgatgagaa ttctgggtgta agacagggtgt attactataa tcatagataa atgtcctatg 240
tgttaattaa tattgaggag tatactctat ctctgttata atctcctgtc caatctgatt 300
at 302

<210> 8583
<211> 234
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8583

ttgagcgtct cgatatatta tgcngcctaa tcggacctcc gagtgaanag ttatgaccat 60
 ctttaataact caagagcttc cattgttcaa tttcgagcgt ctcgatatct tatgtgcctg 120
 aatctgacct ccggttgana agttatgacc atctgaatnt ctcgagagct ctcggttgntc 180
 aatttcgagc gtcttgatat cttatgcgcc tgaatcggac ctccgagtga aaag 234

<210> 8584
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8584

gctatgctga nataatntaca atagaacccc tcaacctcag tagcantatc naccacagca 60
 gaacaattat gacctctcca gcaacagata caacctgga tagaggaatc accctaacct 120
 cagatggtcc agccctcagc aacaacaaca gcagcctgct ccttccttnc aaaatgctgc 180
 tggcccaagc agaccataca ttctccacc aatccaaca cagcaacaac cncagaaaca 240
 gccaacagtt gagggccctc cacnaacctt cctogaagaa cttgtgaggc aaatgactat 300
 gcagaacatg cagtttcagc aagagaccag agcctncatt cagagaataa ccaatcagat 360
 gggacaatng gctacccaat tgaatcaaca acagtccag aattctgac 409

<210> 8585
 <211> 306
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8585

gcgtctcgat atatgacggg atctaatacat acatccgagt naaaagatat ggctcgtnga 60
 ataggctcag agcttctaca ttcaatttcg agcgtctcga tatgttactg gactcaatca 120
 gacatccgag taaaaagtta ttgctgtttg agttgggtca cagcttcgac attcaatntc 180
 aagcgtctcg atatatgacg ggactcaatc agacatccga gtaacaagat attgtcgtct 240
 taattggctc agagcttcga cattcaatnt caagcgtctc gatatatgac gggactcaat 300
 cacaca 306

<210> 8586
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8586

acatgataga gagactcatc ttggatacca accttgtgct acaacaattg cagcaagacc 60
 cactatccat aatgagagaa taatcttttg ttaacacctt gcactcttgta tgaaagatgt 120
 tttctctttg ggtttgggtt aggtcacaag aatgactccc aatgagccat ctctccatta 180
 gaagatcacc ttcttcgtag gggcaaacct cttcaatatg ctcacacccc ttggcttcac 240
 cctcacttcc acctgaggaa ggagaagaag tagccttctc ttgactactg tagatgtctt 300
 gatcccatat gatcatgggt ntctttgtag tggcattgag aaagaatgtg gccttctcca 360
 atacattnta agcacttaat ggtactagtt ctatctt 397

<210> 8587
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8587

tttcttataa ttgtnttttc ccttattaca tctgtcaagt gccaattagg aaagtttcta 60
 tatataccaa gtgtgctata aagatatatt agtaactatt atatatatat tcctagaaaa 120
 aatgtcaaac aaacacatan ttttaattant tttaggcgta tgaaaaatat ttttggctat 180
 ttttaatagt taatcaaaca catttgtata atgatatttt catatcttat tcccaaaaat 240
 aatattcttg agaactaata acattttctg tganacanat tcntccttan aattcttaat 300
 ttataaaaac tatntaaaaa ttaaattata tgtntatata atgtatagta cgagtatttg 360
 acttataaca ataatttcat aaaaactgct gatattcttg agatttcctc atcacataat 420
 aatatatttg aaacatatat aatataatat ctgattttat cca 463

<210> 8588
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 8588

tgctaactat gtatggcana acttattact ggtgtcaaga catacaagtg atctngtata 60
natctttctac actgggagtg atcacctgca gtcctcttga acccttacca cccactctgt 120
catcatgccg agaactcanga agcccaacag gtttagcctt ctctaagtat tctgaacaaa 180
attcaatggc ttcttctgca atgtacctct caacaataga tgctcttggga cgatatagat 240
tctntgtata cccntttaag atcttcatgt atgggtcaac cgggtacatn caccgtagat 300
aaacaggacc acaacatttg atttctctga ccagatgcac aatcaagtga atcatgat 358

<210> 8589

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8589

tgcttatatt catcgnatc gcagcaattc tgattattgn tatgtacgct gtctgtcccc 60
tttctncaat ttatagtttc ttcccatttt cttgtantag acctttgtgg tcctttatga 120
ccaccaaca ataatagaat ggacaatcaa agcagaaacg taactattat atataaaaat 180
tctcttaaac aataattttc ttattaaata taatgcaatt attataaaaa ttattattat 240
gtgtgtattc attacaattc ccatcattgg ttagaanaat aatnngtann acatagnaaa 300
natcaatatc canatgatga aatcttagtt taatacatta atacttgtgc taatcattag 360
tatactattg attatattat aataataata agagtataaa cactttaatt taaataaatt 420
gatgcgtcaa tagaaaatac tgttgaatga acaaatcgat ataagactta ttaacatacc 480
ttatat 486

<210> 8590

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8590

gcgatctctg agtcacctgc ggcattgcaag ctngagaata tcaatgcgtc anagtcgcta 60
accaatcacc ttngtttgaa gatggagttg tatcaactca naatggagat gggaggagat 120

ctccatgacc acatcaacaa gttcaatcgg ctagtaagtt aactgttgaa tgtggatgat 180
aaattctcta atgaggagcn aagcgcctct gtgttggtct cactaccaa gtcttccaaa 240
gctttggttc anacgttgct tgtgggaaga tcaactttga atntggatga agtgactgtc 300
gctcttagag aanatgatga gaatngaaaa tgtngatgat gaacacaatg caatagctgt 360
gatggaatct gagcgaggga ggaatcattc aaggagacat gatggtct 408

<210> 8591
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8591

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caccaaggca cctgttctag ctcttcctga ctnttctaan actnttgatc tacaatgtga 120
tgcctctaga gtgggtgtgg aagctttatt gntgcaaggt gggcacccta ttgcttatnn 180
tagtgaanaa attcatgggt ccaccctcaa ctaccccacc tatgataaag atatttatgc 240
cttaataaga gtcctccana cttgngaaca ttatcttggt ncaanggaat tgcattcata 300
gtgatcatga atacttaaata aca 323

<210> 8592
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8592

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ccttccatgc agcaacctgg agcaattgag cagcctgaag cttatgctgc aaatatntac 120
aatagacctc ctcaacctca gcagcaaaat caaccacagc agaacaatta tgacctctnc 180
agcaacagat acaaccttgg atggaggaat caccctaacc tcagatgggtc cagcccttag 240
caacaacaac a 251

<210> 8593
<211> 305
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8593

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aaaaatcttt tgaatccatg gcacccatag agacaagaat tttcttaagc tctggaatgt 120
gataaacttc aatcaattnt ctaacaacac catcatgcat tctgatttgt atagaaccca 180
taccgataaa catacaagga gcttcgttac ccatgaggac gttaccacca gacttcttct 240
cacatgtcat anaccaatgc ctgtgtcgac acatatggta agaacaactn gagtccaata 300
cccat 305

<210> 8594

<211> 290

<212> DNA

<213> Glycine max

<400> 8594

ctcctctgct gactaccata cagacctcg cccttccatg cagcaacctg tagcaattga 60
gcagcctgaa gcttatgctg cacatattta caatagacct actcaacctc agcagcataa 120
tcaaccacag cagaacaatt atgacctctc cagcaacaga tacaacctg gatggaggaa 180
tcaccctaac ctcagatggg ccagccctca gcaacaacaa cagcagcctg ctccttcctt 240
gcaatatgat gctggcccaa gcagaccata cattccttca ccaatcccac 290

<210> 8595

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8595

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acgagacatc ttgccaaaca aagtcagggt aacgataact cgcattgtgct ttttcttcca 120
ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccgc 180
aattatactg tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgggtca aagaaatcaa atgttgtgggt cctgtttatc tacgggtggat 300

gtactcnggt gagcgatata tgaagatctt aaaagggtat acagagaatc 350

<210> 8596
<211> 414
<212> DNA
<213> Glycine max

<400> 8596

cccatttcct gaactcatgt tttctggtgg ggttttttgt cttataagaa tgaaagagga 60
gttggtggtg caagaagggt accttttcaa aaaaagagac gaagctcaca gtgctcaaaa 120
catccctctt cttcaacagt gatggcttcg atgtctacga ttgcaagggc aaactcatct 180
tccgctttga ctcttatggg cccccgcac gtgacaagga cgagcttggt ctcatggatc 240
cccatgggag atctcttttc accctccgtc gaaagggtaca atttctttcc ctctcttttg 300
gtaacaaacc cctattcagc atgaagagat cgtcgatcat cggaaagtct atgacgaccg 360
tggccattga tgtgtacgat agccccattg tggaatacct ctttgaagggt gctt 414

<210> 8597
<211> 448
<212> DNA
<213> Glycine max

<400> 8597

aaaacaattt ttttttttgt ttcccttaga tatagatatg gctatgtatt ggtacattat 60
tggtattgca attacaatat aaaatgctat ggtagtaacg ctgattattt gtgtctttta 120
actaacaact ctagctggga atgggtactg cattgtctac actttgtgga caagcatatg 180
gtgcaaaaga atatggcatg atgggagtgt atattcaaag atcatggata gttttgtcct 240
taactgcact ttgtcttctt cccctgttga tcttgcgaat cccaattttg actctcttag 300
accaggatga gaccatagca caagtggcag gaaccatttc cctttggaca attcctgtct 360
tgatctcttt tattggctca ttactaccc agacattcct acaatctcaa agcaagaaca 420
ttatcattgc attcttggcg gctttttc 448

<210> 8598
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8598

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tttgggtgcag cattccggtt tctgttgatg acatatcgaa atcaatggag cagatagata 120
tcgcagatat agagcccccg cctctaattc gtgaaaactc tggcttttagc tttttgttgc 180
cacgcccaga ttgatagctt ttgggtgcaga tttgatccac cggatttctt acccacctcc 240
atggtattac caagtcacaa caagtcagtg cttgaaattg ttgactttgg ttgtgtcaaa 300
aacaagtcag tgtattaaac ataccaaatt tacatctcag tgatggatga canaaggtag 360
atagatcatc acgtcgtgca agtagatttt tgggctgaca gtaaaagggg gtaattattgt 420
tatatgggcc ttttctatga agtttcactc attttt 456

<210> 8599
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8599

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ggttttcttt accattgttt aatacaaac atttgcatcc aaaaacatga agatgtgaaa 120
tggtgagttt tctaccatta aacagttcat atggagtttt ctttaaaatg ggtcttatta 180
aagccctatt catgatataa catgcaatat taatggcttt agcccaaaaa tattttggaa 240
gaggagtgtc attcaataaa gttctagcaa tctcttccaa agacctattt ttcctttcaa 300
caacacaatt ttgttgaggg gttctaggtg cagaaaaatt atgttcattg ccaagttntt 360
cacaaaataa attcaaattt tttattttca aattcacccc catgatcacc tctaatagat 420
attaatttga gattttccta tttgaataac ctttgcaagt tcctaaatgc ttg 473

<210> 8600
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8600

ttgaggattt tcaaacgaca ataacttttt actctgatgt cttantgtag tcccgaatat 60

atcgagacgc togaaattga atgttgaagc tctgaccaa tgcaaacgac gataactttt 120
tactcagacg tctgattgag tcttgaata tatcgagacg cttgaaattg aaagttgaag 180
ctctcagcaa attcaaacga caataacttt ttactcaga tgtttgattg agaccgcat 240
attattgaga cgatcgaaat tgaatttggg agctctgagc taattcaaac gacaataact 300
ttttgctcgg a 311

<210> 8601
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8601

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gatccaatca gtggtgagaa gattggaaaa gtaaggccaa ttgcaccaga agactcgatc 120
aatatagccg gcctctccca agtacctgac ggtgtagctt cgtggcacgt tgctgttagc 180
aagtttacag attcgccgtt gctttctgca gcattgccag tttgggattc ttctaataaa 240
agcattgagg cagttgtggg tgtcacaact gcactttaca gtgtggtgca gctcatgaaa 300
gagctagttg agacgcatag tgggcacatg tatttgacct cccaaaagggt tacttacttg 360
caacttccac anatgctcct ttactattaa attcta 396

<210> 8602
<211> 459
<212> DNA
<213> Glycine max

<400> 8602

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tccactgaga caactcccca agctgaaagt tttgatcctt caacttcaac cactaccaag 120
agtgatggtt tgggtgattc gaaggaatta gctgagatcg agtacatgga gagcctttat 180
atgaagagta ctgtatcagc ctttgcattg tttgcaggaa aattagaagt ggaagctcaa 240
cagtttagcat tgttcattgc caccggtgaa gataagtggg tcagataaaa aacatggaaa 300
aaaatccttg tctggaacaa gcaccaagta cctgctgggt tacgtgctga taatgtagag 360

gatagctttt cccatctatt ttcttcttta aatcgacgcc tttgtttgca cccttaaadc 420
 tacacgatgt agaagctaata gaaaaatggg ttaatttat 459

<210> 8603
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 8603

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 cataactttt cacacggatg tctgattcga tcgcataaga tgcgagagg ctcgaaattg 120
 gacaacagaa gctcttgaga aattcaaatt gtcataactt ttcacacgga tgttcgattc 180
 gggcgcataa tatgtcgaga cgctcaaaat taaacaacgg aagctcttga aaattcaaatt 240
 gggcataacc tttcacaccg gtgggtccaat aaggcgcatc acatattgag acgcttgaata 300
 atgaaccacc gaagctcttt ggaaattaaa atgggcctaa cttttt 346

<210> 8604
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 8604

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 catccagcag aggtatgttt acctctactt ttctaaattt ttccaatata tccttctctg 120
 tctcttccat ttttttgttg gaaattgctc ttggagggaa tggaagaggg atatgctact 180
 tctgtaaata agaattacca gtggaagatt cacctgcata gaacttgta ggtaactttt 240
 taaatttttg tcatcatctt tttttggagt agagtgcata tgggcagggt catttgcgga 300
 tgaagaagat gttgctgggt gaggttcttg aactgcttt cccaacctta atgtaattggc 360
 actcacattt ttgggattct ggacagattg agaaagaatc tgcagaatt ctgcgactgt 420
 tggtgattaa ct 432

<210> 8605
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 8605

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cttcttctat tttcagattg ggaatgcctc taacagcacc tttgtcaatg attttcttca 120
tgcctcttaa gtgcagatgt ccaaactctt gatgccatat tttgacttca tcttctttgg 180
agaatagaca tgtggaggag tgactggatt cttgaggtgt ccataggtaa cagttgtcct 240
ttgatctgct gcccttcatt agaacttcac tcttctcatt tgtcaccagg cattctgact 300
ttgtgaagtt tacattgaat ccttcacac acaactgact gatgctgac aagttcgag 360
tcagtccctt caccagcagt act 383

<210> 8606
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8606

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agnggccaaag gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagttaa 120
gatgtccaga ttgcaactat tggccacaaa attcgaaaat ctgaagatga acgaggaaga 180
atgtattcat gacttcaca tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
agagaggatg acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatt 300
tgacatgaaa gtactacaa tagaggaggc ccaagacatt tgcaacttga gagtggatga 360
actcattggt tccttcaaac ctttgagct 389

<210> 8607
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8607

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gtatattcac caggaaaata ttgttggtga aggaaattgt agtgatgtga ttcaaaagat 120
ccttccaccc aagcataaag accctgggag tgtaaccatt ccttgttcaa ttggagaagt 180

cattgtgcga aaggctctta ttgacctgng agccaatatt aacttaatgc caatctccat 240
 gtgcagaagg ttgggagagt tggagatcat gccactagg atgactntac agcttggtga 300
 ccgctccatt accagaccat atggagtaat tgaagatatg ttggtcaaag taaaacattt 360
 tatcttcccc gaaaactttg tggtaatggc tatctgtgaa gatataacat tcatgtaatt 420
 ttgggaagac ccattcatgt aactgcaagc tgcatagtgg atatggggag aaagaagctg 480
 gaactgggct ttg 493

<210> 8608
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 8608

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 ggcaatagac ttaaacattt ggtaagccat agaagttgga ccttatgtac ccaccatggt 180
 ggctggtaat acaacaatag agaaacctag agaagagtgg tctgaagaag aaagaagatt 240
 agtgcagtac aatttaaagg ctaaaaacat cattacttct gccctaggaa tggatgaata 300
 ttttaggggtg tcaaattgta agagtgtctaa agatatgtgg gacactctac aagttacaca 360
 tgaggaaca actgatgtca aaagatctag gataaatact ctaactcatg agtatgaata 420
 ttt 423

<210> 8609
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8609

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 tacttgacaa attataattt tgtttattat tatctaagat ataccattta ccgaatttca 120
 attttaaatg ggtgactaca agttgtataa aattcaccat ttccatcatc aaagatttca 180
 ttttaaactt tgagtaactt ttatgaatat aaaattatgt tttattactt atttacttca 240

ctttctagct tcaaagtatc tatcagaaaa ataatcaagc cataaacaaa taaacgaatc 300
aagcccaagc ttcatatatt ttaaccaact caagttgaag ttttaaattt gttcagttta 360
aataaacgag tgaagcttga gtaacccatt ttcttcacaa ggcaaacctt aacttttagct 420
cagctaaact tgtttacacc agtgaatgcg ggtggagaaa aatcatg 467

<210> 8610
<211> 590
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8610

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cttcttttgc ccaccatctt ttgcctccaa agtgatggtg tacaaggtag cagaaaccac 120
ttgctgtttt gcacttacta ctttttcaaa ctccaaaagg gcattctgca taaccattaa 180
caattcaata aaaataaaat agaagtcata tttaaattcc cttaccacaa aatgaaaaga 240
taatagaaac ccactagtgt ttctataact acaaagaata aaaaattaac ttcattattg 300
aaattggcgc caccaacctt tttattcctt gacataatga acatgcaa atgtcgcaac 360
aatcaattga ttttttttgg ctaacaaaan attatgggga ggagggaatg gccagtaga 420
caacagaaaa aagcctctag gtcacaaaga catntataca naaacttaca tataccccac 480
tccanataaa caaatgangg ttcaaacctg cnatctata gatgcaagat tntgtcttac 540
tctactcaat gaatcctttg atgttcaca atcaatatat tagtgcttaa 590

<210> 8611
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8611

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gcacaaccaa aaaatacagn cttcccatga ctattcatal ccacaaaaat cccaaatggc 120
atttcataag aattgacctt gtatggagta tcaaatataa caacatcacc atatttttgg 180
taccaatcag agcaggaagt atgagaccaa aaaatatgct ctaaccttct ctcttcataa 240

gtgtatatgc atcctgaaat ttagagccac ttttttttgc atccttacag accttgaaaa 300
gaacttttgca tcattttttt caactttttt ttttggttcc acaaaaagat tac 353

<210> 8612
<211> 484
<212> DNA
<213> Glycine max

<400> 8612

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gaagagagtc tctaagaact cacgccaagg gaagcaagaa tttgtggcag aagtgacaac 120
aattggaagc cttcaccata ggaatttggg gaaactcaca ggttgggtgct atgagaaaag 180
agagcttctc cttgtgtatg agttcatgcc taagggaagc ctagacaagt acctctttgg 240
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aacaaggcac agtgtgattc atggcgtggc tcaagcatta gactatctcc acaatgggtg 360
tgagaagagg gttcttcaca gagacatcaa ggccagcaac ataatgttgg actcagacta 420
caatgccaag ttgggagact ttgggatgtg cagaaccatt cagcagagaa atgaaacaca 480
ccac 484

<210> 8613
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8613

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ttatgtgaaa tctatgtctt tctgggtggg aaaagccttg agctactaac atagctttgn 180
tccttactac cttatcttgt tcatccaatt tatntctaaa tgcccatctt gttcccaaga 240
tgctnttggt ctcaggcttg ggaacaagca tcttgacatc atttccagtg aactagtgga 300
gttcttcttc cattgcaata atccaaatat tatatgtgat tatttcattt atcatcttaa 360
ggtctatttc aaacatgaaa gcataagaca taagatctta aaatgatgat ctggntttga 420
ctccttcagt ctgatcttaa taatct 446

<210> 8614
 <211> 603
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8614

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gactaatatt ttacgatgta taagaataag gcttactgta ttatatatat tccaagtaaa 120
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taaattttgt tctgatttta atttctatta gatattcaag tgtgttacta ggatatgttg 240
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aatttagtaa tttcacttaa attttcatgg atttgagaaa ttaatttttg cctctagtag 360
tttaaaaaga attaagaaaa gatttcactc actttttcaa caaaaattgg caaatagttt 420
gacttccaaa aaggaaagaa agtgtaaaaa attaaaacat tagactttaa acttgtgcca 480
tacacattgg ttgggctaaa acaaagtttc aaatagaacc ttttccctga caacaaaatg 540
ggaccctttt ttttaactaat aaaaatttaa taaaattttt catattttat ttaaaattat 600
ttt 603

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<210> 8615
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8615

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gctagggcca tgtactctgc ttcagttggt gctctatcaa aaactgattg ttgatttggt 120
ttccaattga ttgctgtacc aaacaaagta aacacatata ctgttaaaga tttccttggt 180
tttacatttc ctgcaaaatc tgcacttaca tagcctgtga ttgctgctc atgtgttgtc 240
ttcttgtagc ttaatccaac tttcaaagat ccatttagat accttagtgt ccacttcaca 300
gcttcctagt gtgcactgcc aggatctccc atgaatctgc ttataatact tacaacatga 360
gccaagtcag gtctgtgca aaccattcca tacattatgc ttccaacacc actggcatat 420

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nggtgttgat ccattttaga cttttcttca gcttgttttt gtgcttgaat aacagatagt 480
 tttgtatgat gaccaagtgg tgtgcta 507

<210> 8616
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8616

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 aattaggctg ttcanactcc agaacagcat aaatatctcg cacgattact gngttttgat 180
 tatgtaatcc agtatcgagc aggggaagagc aatatcgttg cagacgcatt gtcccgggtca 240
 acacctgcct cattattcat tatctcagtc cctcacttcg tcttcctcga cgagctgcga 300
 agggagttgc aggcaaatcc agcgttcattg 330

<210> 8617
 <211> 593
 <212> DNA
 <213> Glycine max
 <400> 8617

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 gcaatgcttc atctatgttt ctaggttcaa tttgaggaac aaattccatg ttattgcata 180
 aaattctaag tctagatcaa gtggatactc tcttagatat ttcacctatg atgttgtcca 240
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 cctgaagacc tatatcttca tcttccaaag cattttcttt gaatagagag ttatgttcat 420
 cacacacaac atgtatagat tcttccacac ataatgttct tctattaaac gctctatata 480
 ccaccttgcc ttccaatgaa taaccaagac aaaatgcctc atcagctttt gatcaaaatt 540
 tcctagagat tcttttccat tgtttaaaac aaagcattta cattccaaa gcc 593

<210> 8618
 <211> 551
 <212> DNA
 <213> Glycine max

<400> 8618

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 aaatgtgaca acacaagtgc tattaatcta acgaagaacc caattatgca ttctagaacc 180
 aagcacacag aaattaggca tcatttccta agagatcatg tgtctaaagg tgactgttgc 240
 attgagttca ttgatagtga acatcaatta gtagacatca ttgatagtga actaggcata 300
 ttcgatgcat ctagcataga atgacatctt atttgcataa ggggatgttt cactttgtca 360
 ttcatatcat tagtctttgt ttggtagtggt ttttagctta gtgattcatg tgcattctta 420
 gtttggttga atatcacatg tttttcttag tcattttgta atttcttgct ggtataattg 480
 attacctggc catttcaatc gaatactata tgatttctgg ttggtaagtt gttcaaaaact 540
 ttttgtttta a 551

<210> 8619
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 8619

agcttagcag attatcagca tctttgttat tgaaatttcc ttgttggggc tcagtccaat 60
 accacttcaa ctcatcttca aacacagccc agttaaaatg cttcacaacg aagttaacaa 120
 agtcctcatt gtcaatgttc attctactga tgcagtgtcc aattgggaaa tcattctgtg 180
 tttgtataac ttttaccgag gtgtagcat agctgccaga gtccagtcca gagaatttca 240
 ggataacatc acgtttacga atctgcagtg cagcaagtac gtataaatta aaatatatat 300
 aaaaataatg caaatcatct catattctat caatgaaaaa tggatcatgt aatattaaga 360
 ataggcacag aagtcttgaa catacttaac ttcatgcaac attatttact ggcataaaaa 420
 atttgttttg tcacaaaaaa aaatatgcct tt 452

<210> 8620

<211> 404
 <212> DNA
 <213> Glycine max

<400> 8620

agctttgagc aaattgaaat gacaataact ttatacacgg atgtctgggt gagtcccgta 60
 atatatcgag acgctccaaa ttgaaaacgg aaactcttaa aaaattcaaa cgacaataac 120
 tttttactcg gatgcccgac aaagtgtcgt catttatcga gggatgctcc aaattgaaaa 180
 cggaagctcg tatcaaattc aaatgacaat aactttttac tcggatgtct gattgagtcc 240
 cgtaatatat cgagacgctc aaaatttaga tccgaagttc tgagaaaatt gaattgacaa 300
 taactttata cacggatgtc aagggtggagt ctgtaatata tcgagacgat gcaaatttga 360
 aaacggaagc tcggaagaaa attcaaaaga aaataacttt ttac 404

<210> 8621
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8621

agcttcatgc ttaactatgt atggcaaatt ttcattacta ttgggtcaaga catacaagtg 60
 agcttgtaac aaatcttcta tacttggagt gatcacctgc agtcctcttg aacccttacc 120
 acccactctg tcatcatgcc gaaactcagg aagcccaaca ggtttagcct tctctaagta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
 acgatataga ttctttgtat acccttttaa gatcttcatg tattgctcaa ccgggtacat 300
 ccaccgtaga taaacagaac cacaacattt gatttctctg accagatgca caatcaagtg 360
 aatcatgatg tcaaaaaaat aggg 384

<210> 8622
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8622

agcttcttag tctcagatga tgcagctgag tttgtatcta cctcatgcac tcctctaattg 60
 actatggcat catttctggc gctaaaactgc tgagagttgg aattcatctt ctcaattaaa 120

tttctagctt cagcaggagt catgtctcca aggggtccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctctgaaatc 240
 tgatggtgag ggcaactggc gcataatfff ttaaategct cccagtactc atacaggctc 300
 tctccactga gttgtctaat acctgaaaaa tccttcatga tggctgggggt cctggaagca 360
 gggaaaaaatt ttttctaaaa atac 384

<210> 8623
 <211> 521
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8623

tctcgttcta tatnntaatn tnatatttct tcaactgtatt ctaatatggt attcatttnt 60
 ctggtactct tagacataaa tatgagttgt gagttttctg ttatttatat ttttaactac 120
 ttcaatgatt aatttatcag acactntata attaataata gttgttcaat tattagcttc 180
 angacttcag ttactaatta gttgtatcga acatantcct aaatgctaatt attgtctgta 240
 ctaggaatgc tagcaacatt tctttaacna tatctgtgta attgatggan natntaaat 300
 taagaaagaa tcataaatga ggagaatgac ccatcaaaat agatatttct ctataatata 360
 tntaatcaat acgaacaaga gaagtttgan agatgaaaag agtcataatc caatataata 420
 cttattttaa gtacatatat ctcatctact aataatgtga tgttaattta attcttaaatt 480
 aatgtcatcc tatatatata aatgggtacta gtatacat g 521

<210> 8624
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8624

agcttatctc tcaattggtg acccaagata acattttttt tatctaacc cccatctatt 60
 ggtgagatta aaaatgtagt tttcattatg agtagctcta gttcccctat ccctgatggg 120
 ttcagaggcc acttctacca caggtactag gaaattatct caaagggtgt ctataatttt 180
 gtccttcaac ttttttcaaa agaattggct tctccttgga tttaaatcaa acattttttg 240

cctttattcc taaatttcca taagaggata gaatagagaa cttcagaccc actgctctgg 300
 gtaatttcca atttaagatt atctctaaaa tcgtcacaag tagattggcc tanattactc 360
 ctaagctgat ttttaata 377

<210> 8625
 <211> 328
 <212> DNA
 <213> Glycine max
 <400> 8625

agcttgccctc catcgcgcca ggggaattat cgtatcacc ctttgccatc cacagctgcg 60
 gtgaacgtac gtccataccg gtaccctcat tttcagaagg ctaaaatcga aaaaaaattg 120
 cagaattgct ctccgcgggc ttcatacggc caagcacgag tccatactcg tctctgggtc 180
 ttttggtgaa gaagaaggat ggaacctggc acctatgtgt cgattacagg tccctcaacg 240
 ccgttacagt ctgagatagg ttcccgtac ccaactatga caaactattg gaccagctgg 300
 gtcacgcttc ttggttcact aaactcaa 328

<210> 8626
 <211> 493
 <212> DNA
 <213> Glycine max
 <400> 8626

gcttgaggcc ttggatcttc ttcatttatg aaatcatttg cttcttgaag atcatggaag 60
 tggaatggag aaggaagaaa gatgattgga gacgccactt caaggagaag ataagtgtag 120
 aagctcacca ccataggaag ccatagataa gagcttgaag gttgcagaag atgaattgat 180
 ggagagggag acaaggagca tgaaattttg tgccctcaaaa gaggtttgaa ctttgagggt 240
 taattctcaa atgatcaaag ttgaaaaaat gcacacacat gacctctatt tatagcgtaa 300
 gtgtcaaaca aaattagagg ggaatttgaa tttctattca aatttcactt gaatttgaaa 360
 ttgaatttgt ggagccaaaa tttcactaat tatgattagt ggaatttagc tatggttcaa 420
 ccactaatc caagatcaag tccaagaatc ttcactaagt gtgcttaagt gttatgaagc 480
 atgtaaaaca tga 493

<210> 8627

<211> 308
 <212> DNA
 <213> Glycine max

<400> 8627

agcttgaatc ggacctcagt gtgaaaagtt atgaccattt taatttccta agagcttccg 60
 ctgttcatta tcgagtgtct ctatatgtga tgcgtcttaa tctaacatcc gcgggaaaag 120
 ttatgaccat ttgaatttct caagagcttc cgttggtcaa ttccgagcct ctcgacatat 180
 tatgcgcctg aatcggacat ccgtgtgaaa aggtatggcc atttgaattt gtcaagagct 240
 tccgatgttt aatggcgagc gtatcaatat attataaccc tgaatcggat atccgtggga 300
 aaagcttt 308

<210> 8628
 <211> 271
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8628

ctcagctggc catgaatcat atatcagcac ctgttgcaag agtctgtggt ctaagttctt 60
 ctgtagatca ccatacagat ctatgtcctt cntngcagca acctggagtc aatgagtaac 120
 ctgaagctta tgctgcanac atttataata gacctnctta gcagcaaaac caatagcagc 180
 agaataatta tgacctttca agagacagat acaatccatg ttggaggaat catccaaatc 240
 cgagatggac angttctcca caacaacaac a 271

<210> 8629
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8629

agcttgaatc ggtccttggt gtagagcaca tgttttatat caccgtanaa tggatgaatg 60
 tcgtcaagcc gggggaactc gtcgattatg gtggagagct tgcgtgaaa attctgctga 120
 gtatacttca ctttgccgat gtagaattgg cgcagccgtg aaatcgcata tcctttgtgc 180
 acaacggttg gtgtctgacg ctgggtgcga gagaggataa tgtcgaccac atgcttccca 240

tttggcacca cggtaatctt cttaaaattg tactgaacca tcgtgctcta tcaaccttgt 300
 tgccacagaa aattaagaaa aagggaactat aagagtaaaa catgataaag tccgcggagc 360
 tacataattt gagatcccaa ttgaaagctg agagaaaata aaaagcgatt atgtgaatg 419

<210> 8630
 <211> 657
 <212> DNA
 <213> Glycine max
 <400> 8630

agcttgtgac tctttgagca aattgattta acaagcaatt tattgtttct ttattaaagc 60
 tagacaatga aagacacgtg ggtgatcatg accattttta ttagagtggg aaggaggggtg 120
 tttaaaacca ttctaaacaa ctaaaactaa aaatataaaa taatcatttt ttaattgttc 180
 ttttaattaaa ttttcagttt ctatatatta ttaaatacaga atccagccac actaaaccaa 240
 acccttatta tatttgtaat attgatttgt aatacttatg tagtagtagt gttttaaaact 300
 ttttataata gtagcttata tgtaatttta tgtgttgaac gtttaagtta tattaaagaa 360
 aaaatgattt atttgggttt tatcttattt ttttttgggt tatcttcatt ctttatctat 420
 taaaaagctt aaattaatta tttattctat ttttatatta agtttagtcc tttaccttta 480
 aaaaatttat tttggctaata taatttgtgt ttctttcaaa tttttcgcta tttccctcta 540
 cttcaatttt aacaattttt ttaatgatta acaatatcaa tcttaaatca gccacccaaa 600
 tatccaaatt ctacccaaaa ttatttaaata ctaagaacct taaggggttg cttttgt 657

<210> 8631
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 8631

agcttgaagg taaactagaa gccttggttt acctgggaac ccaactggcc atgaataaaa 60
 aatctggccc tgtcgccaaa ctctggggtt atgtctctct accgatcacc acacagacct 120
 ttttccttct atgcaacaat ctaaagccat tgaacaacct gaagcttatg ctgcgaacat 180
 ctacaacaga ccttctcaac ctacagcagca aaatcagcca caacaaaata attatgacct 240
 ctccagcaac atgtacaatc ccggatggag gaatcatccc aaccttagat ggtcgaatcc 300

ttcacaacag caggcaacaa caacaacaac cttatTTTTca aaatgctgct ggcccaacaa 360
accatacggt ccttcaccaa tccaacagca acagccccag aaacaacaaa caatt 415

<210> 8632
<211> 295
<212> DNA
<213> Glycine max

<400> 8632

tatcaataca tttgtagagg tcatccacca cttcattatc actgtcaatg tttggattgg 60
tgtaaaagaa ctttggattt agataataac ccgctgcatg caaaggggtg tgaagtggc 120
aatcccatct tttatcaatg attgcaagga tatccttata cttcccttca ttgttattga 180
aagctctttg aattgcttct ttggccctat ccattgcttc ataaatgaaa ccattgcag 240
gttttttttt cattatccac caaccttaac acacttacia gaggcccat ttgat 295

<210> 8633
<211> 284
<212> DNA
<213> Glycine max

<400> 8633

agcttcctcc ttgtgcagtt tcccgggctc agacgtatca ctttccgaag gttaaagatg 60
ccgacattgt atgcagacta gaaaaaattt gcgccgaaga aggtcttgaa tttgaacagg 120
atgctttgga cttcattgct gcgaaatcct gtggttctgt tagggatgca gaaatgatgc 180
ttgatcagat gagcttgctt ggaaaaaaga tcaatatttc tttagcttat gagctggtaa 240
gactagtgtc tttgtaccat acatgtatat actccaaact acag 284

<210> 8634
<211> 295
<212> DNA
<213> Glycine max

<400> 8634

tactaaccca tggaagctcc taatatctcc tatactatca gggggggggc attcttggat 60
gaccttgatt ttttaagggt ccacttgac cccatttcta ccaactacia atcctaagaa 120
aactatatta tctacacaaa aaggtacaac ttctctatat tggcataaag agtggttttc 180

ctaagaactg aaagaacttg ccttagatgt cctaagtggc catctaggct cctactatac 240
actaaaatat catcaaaata aacaactaca aatttaccta tgaaatccct taaga 295

<210> 8635
<211> 286
<212> DNA
<213> Glycine max

<400> 8635

gcgagctgat tgtcgttcga atttgccttt agcatttgtc ttcaaattcg agcgtctcga 60
catattacgg gactcaatca gacatccgag taaaaaagtg attgtcgttt gaatttgctc 120
atagcttcaa cattcaattt tgagccgttt tgatatatta cgatactcaa tccgacatcc 180
gagtaaaaag ttattggcgt ttgaatttgc ttaaagcttc ggcatccaag tccgaccctc 240
tcgatatact acgggactca atcagacatc cgagtaaaaa gttatt 286

<210> 8636
<211> 284
<212> DNA
<213> Glycine max

<400> 8636

agctttgagc tttattcata tgacaataac tttttaactg gatgtctaatt tcagtcccgt 60
aatatatcga gacgcttcaa attgattatc gaagctctga ggaaattcga acgacaataa 120
ctgtttactc ggatgtctga ttgagtcccg taatatataa aaaggcttgg aattgaatac 180
cgaagctctg agcaaattta aacgataata actttatact cagatgtctg attcagtccc 240
gcaatatatc gagatgctcg gaaatgaatg ccgaagctct gagg 284

<210> 8637
<211> 284
<212> DNA
<213> Glycine max

<400> 8637

agcttttggg ttgatcatta agtgctttat gaatcctccc gtgcttatgc caccagtgcc 60
tggaaggcct ctcatcttctg acatgacaat cttggacgag tcaatggggg gtatgctggg 120
gcaacatgac gaatccggga agaaatagcg cgttgtttac tacctaagta agaagttcac 180

gacctgtgag atgattactc cttgctcgaa agaacgtggt gtgctttagt atgggcatcc 240
catcgccataa ggcagtagat gctgagccat actacctggt tgat 284

<210> 8638
<211> 284
<212> DNA
<213> Glycine max

<400> 8638

agcttgaagg ttaactatat gccttggtta acttggtaac ccagctggcc ttgaatcata 60
aatctgtact tgttgcaaga gtctatggtt tattctcctc tgctgaccac catacaatcc 120
tttgcccttc tatgcagcaa cctggagcaa ttgagcagcc taaagcttat gttgcaaaca 180
tttacaatag acctcctcaa cctcagcaga aaatcaacca caacagaaca attatgacct 240
ctccagcaac atatacaatc ccggatggag gaatcatcct aatc 284

<210> 8639
<211> 284
<212> DNA
<213> Glycine max

<400> 8639

agcttgacac attcctttta taatgtaaca acacaagtgc tatcaatttg tctaaaaacc 60
atgtcatgca ttctaaaacc aaacatatag agataagaca tcattttctt agagatcata 120
tatcaaaggg tgattgttgc attgagtta ttggtagtga acatcaacta gctgacatct 180
ttactaaacc tctagccaaa gatagggttct tcttcattag gaatgaactg ggtatcttag 240
atggatctag tattgaatga tgttatgctt agaacatgta gctt 284

<210> 8640
<211> 287
<212> DNA
<213> Glycine max

<400> 8640

agcttgcata ataagaatth tcttggtata gccataatct ggacagcatt atagccaagc 60
cttttaattc gaggcaatac atcatctcta aaattgacat atgtgttgat ttttggctcc 120
tgcaccacat gggttcacaaa attgttaata gtagaagtag aaaaagaact gatactatac 180

ataggaactt tcttgaacat catagattta atctctaata ctaaacaaaa tattctatta 240
 ttcaaattca attaacattg actgtacaaa tgagaccaat gccttca 287

<210> 8641
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 8641

ctatccaata ctcaagcttg aaggcaaact ggatgcattg gttattttgg ttaccagtt 60
 tgccttgaat cacaaatctg tacctgtcgc aagggtttgt ggtttgtgct cctctgctga 120
 ccaccatata cacctttgcc cttccatgca gcaacctgga acgattgagc agcctgaatc 180
 ttatgctgca aatatttaca atataccttc tcaaccttaa catataaatc taccacagca 240
 taacaattat gacctttcca tcgacagata caacctgga tggaggaatc accctaacct 300
 cagatgggac atccctg 317

<210> 8642
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 8642

tgtagggtta aagtctcacg attgtcattt gctcatgcaa caattgttag ccgtggctat 60
 acgagacatc ttgctaaaca aagtcaagtt agccataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatcctgt caagtttgat gagttggaaa atgaggctgt 180
 tggatcgaat ggcctcagaa taattaagaa gggggggtga attaattatt cctaaaccat 240
 tactaattaa aaattttctt tctaaggatt ttactaaatt gttaagagaa tgaggggtag 300

<210> 8643
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 8643

agcttctcat gctcaacctc attagtttta ttggttaaat caacactctt ttgctcctct 60
 tcaatggaag caacctcaa aggggcactc actttcagcc cccaattcct ctccctgagg 120

ttgcacctca aaggttgaaa cttatgacct gccactacct tgtttgtgtc caaaaattca 180
 acccttgacg tgctggacaa agcaccacca attctatgtc taggaattac tggaacaaga 240
 ggcttcaaac cacattctga taatatccaa gttgccattg gact 284

<210> 8644
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 8644

agctttaagc aaattcattt gacatttact tttgactcgg atgtccgatt gagtcattta 60
 ataattcttg acgctagaaa ttgaatacag aagctctcac caaattttaa tgacaataac 120
 tttttactca gaagtctgat tgtgtcccgat aatatatcta gatgctcaaa attgaaaaca 180
 gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240
 taataattcg agacgctcaa aattgaatac agaagctcta agcaaattc 289

<210> 8645
 <211> 254
 <212> DNA
 <213> Glycine max

<400> 8645

tctcgatata ttatgcgcct ttttcggact tccgtgtgac aagtcatgac catctgaatt 60
 tcttgacacc atccggttgtt taatttcgag cgtctcgata tgttatgcgc ctgaatcgga 120
 aggccgtgtg acaagttatg accattttga ggatctcgag agcttccggt gatcaattcc 180
 cagcttctcg atatattatg cgctgaatc agacttgcgt gtgacaagtt atgacctttg 240
 gaaattctcg agag 254

<210> 8646
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 8646

agcttctcga tttattatgt gcctatttgg gactttcggt tgaaaagtta tgaccatttg 60
 aatttgtcca gagctttggg tgtccaattt cgagcgtctc ggtatattat gcacctgaat 120

cggacatccg tgtgacaagt tatgaccatt ggaatttctc gagagcattc gttgttcaat 180
 ttggagcttc tcgatctatt atgcgtctga atcggacttt cgtgtgacaa gttatgaaca 240
 tttgaatttc tcgagaccat acgttgttca atttcgagcg tc 282

<210> 8647
 <211> 288
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8647

agcttgtggg atnnngttta gtgtttttgc cggagatggt gatgatagaa aaagtactac 60
 cggatttgta ttttttatgg gtgatttgtt ttttacatgg agttctaaga agcaaggcat 120
 tgtgacactt tctacttgtg aagccgagta tgtagctgca acttcttgca catgtcatgc 180
 catttggtcga agaagattgt tggaggaaact tcagttgttg caaaaggaaa gcacaaagat 240
 ctatgttgat aatagatctg cacaagagct tgccaagaat cgggtggt 288

<210> 8648
 <211> 291
 <212> DNA
 <213> Glycine max
 <400> 8648

agcttctaaa ctttgtacaa gaatgtatct ctgataccac ttgttagaca agtggcctca 60
 gatatcttaa gaacgggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
 tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180
 ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aaataaagga gattaaggga 240
 agagaaaatg caaactcagt tttatactgg tttggccaca cccttgtgcc t 291

<210> 8649
 <211> 295
 <212> DNA
 <213> Glycine max
 <400> 8649

tggatttcct tttaggaggg tatctattct tcctaagaag gagccaaacc cagtcaccct 60
 cattaagaac tagctctttt ctccctctat tacctttagt tgaatacacc tttgtttggt 120

tctctatttg gttcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtcccggtg ggaaggtaat gaggtctaac ggtgttaggg 240
 gattgaaccc atagacaacc tcaaacgggg actacttggt ggttctatga actcc 295

<210> 8650
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 8650

ttatacaagt tttctacaat cacaatttcc aaatgcaatg cagttcacag aatgtgtttc 60
 ttccccattt agtaatatgt caagtgaat cattcacaat gaaatgaatc attttcagtt 120
 tattctaata tatctggaaa tgcaatgttg aacatacaga ctttatagat gctaattggat 180
 gttgacatgt gtttatttca atttcaaagt tcccagataa gttcaaacta tacagcctca 240
 agctaaccaa acaaataaaa aattgcttac cagttgtacg accacttgca tac 293

<210> 8651
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 8651

tccattttca attacaagcg tctagattta ttattggaca caatcggaca tccgagtaaa 60
 tagttattgg cattagaatt tactacgagc ttctgttttc aataacgagc gtctcgatat 120
 actacgagac acaatcggac atccaagtaa aaagttattc ctgtttgaat ttgctacaag 180
 cttccatttt caatttcaag cgtctagata tattacggga cacaatcgga catccgagta 240
 aaaagttatt gacgataaaa ttttctaaga gcttatgtat tcaatctcga gcgccacgat 300
 a 301

<210> 8652
 <211> 274
 <212> DNA
 <213> Glycine max

<400> 8652

ttgagcaaat ttaaacgaca attacttttt actcggatgt atgattgagt cccgtaatat 60

atcgagacgc tcgacagtga attttgaaga tctgagcaaa ttcaaacgat aataacgttt 120
tactcggatg tctgattgag gcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180
ctctgagcaa attcaaacga caataacttt ttaccggat gtctgactga gtcctgtaat 240
ataacgagac gctcaaagtt gaatgttgaa gctc 274

<210> 8653
<211> 284
<212> DNA
<213> Glycine max

<400> 8653

agcttcaaca tttaacttct agcgtctcgt tatattatat gactcaatta gacatccgag 60
taaaaagtta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcgtctcg 120
atatatgacg ggactcaatc aggcatccga gtaaaaagtt attgtcgttt gaattggctc 180
aaagcttcaa cattcaatgt cgagcgtctc gatatgttac gggactcaat cacacatccg 240
agtaaaaagt tattgtcgtt tgaattggct cagagcttca acat 284

<210> 8654
<211> 294
<212> DNA
<213> Glycine max

<400> 8654

ttgggaagaa gcagcaacag ggctactttg aagatggtgg tcttccaaaa gatgtgccaa 60
aagggcactt tgcagtgtat gttggtgaaa acaggacaag atacattgtc ccaatttcat 120
ggttggctca tacacaattt cgaagcttgc tccaaagagc tgaggaggag tttggcttca 180
atcatgacat gggccttaca atcccatgtg atgaagttgt ttttgagttt cttacctcaa 240
tgattagatg agaattaagg gaaagttgat agaagtacac ttattggcat ttg 294

<210> 8655
<211> 324
<212> DNA
<213> Glycine max

<400> 8655

agcttgcattg atttacattc tcccccttcc tcaagcttat tcttatattt tcttgacatc 60

atcaaaatct tcatcatcaa taatcttaag aaggataggc ttaaaataca gaagaagcca 120
 caacaatcaa ttttaacaatg ttcttttaaac atgcaagaca caattgattg caaaaaatta 180
 aataagataa gggaagagaa gaatgcaaca cagttttata ctggttcggc cacatcccgt 240
 gcctacgtcc agtactcaag caaccactt gagatttcca ctatctttgt aaaatccatt 300
 acaaagtctg aaccacacag ggac 324

<210> 8656
 <211> 497
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8656

tgggtacaat tctctcatcc tatcctccaa ctcccatgta taatcacct catcggttcc 60
 ccaccgcacc ttcaccaacg cgatctcctt tctctcaac gacttcattc ttcggtcagt 120
 gatcttctga gggtgtgctt tataagttag gttatccttc acctgtacct cgtcctctgc 180
 aagaatatgt gatggatccg gggtgtaccg tctcagttga gagacatgga acacaggggtg 240
 caaattcgat aaactcggag gtaaggcgat atgataagct acaggcccaa tcttcttcaa 300
 aatctgatat agacctagat acttgggtgt caacttccta gccttgagag ctcttccgac 360
 cccggttatg ggagaaacct tcaaaaacac atgctccctt tcttggaat ctagtggctt 420
 cctccttcta tcataatagc tcttctgcct atcctgagat gnccttatct tctctcgaat 480
 caacttcaat tgttcgt 497

<210> 8657
 <211> 324
 <212> DNA
 <213> Glycine max
 <400> 8657

agctttcaca tggatgtccg attcggggac ataatatatc gagattctcg aaatcgaaca 60
 acggaagctc tcgataaatt cgaatgggca taacatttca ctcgatgtc cgattcgggg 120
 acataatata tcgagacact cgaaattgaa caacggaagc tctcatgata ttcgaatgct 180
 cataacattt cacacggatg tccgattcgg ggacataact catctagacg ctcgaaattg 240

aacaacggaa gctctcgaga aattcgaatg gtcataagat ttcacacgaa tggtcgattc 300
 ggggacataa tatatcgata cgct 324

<210> 8658
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 8658

tatagtcatt acttggttaag aaccataatc tagagtctat tggtcctttg ataaagtgaa 60
 gaatttgttt tgcagccttg aaatgagtag tggtagagt ctcgatgtat tggctgatga 120
 gtactccagt agcatatata atgtttggtc ttgtgtgtca aatatcataa actaccacc 180
 aaactcttga aatctatagc atccagtttt ctgcttcgt cgaactttga taacttcatt 240
 ttgcactcca tcagtgttcc aattggcttg catctatcca tcttgaattt attaagcatc 300
 ttctttgcgt agctttgcag tgaaatgaag atttcatctt ctttctgctt ta 352

<210> 8659
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8659

tcagatttgt gtttaagtag aaataaccat gngaattctg agcagtcac taccaatgta 60
 aggggaagatc tctgcccctc atatgtaggg tgggcatagg gaccccatat atcacattag 120
 agtaaatcaa aaggtaaata agataaattg ttagagttag gaaaggataa tcttctaagt 180
 ttagcaagtg gaaaaataga acaattagaa gaaaagaaat taggagagaa ttgtaaacta 240
 attttattat tcaaattgatt gaaaactttg tcttatatat gaccaaacct agaatgcaa 300
 atatgagcat ttttaciaaag agtggaattt acgtgtgaat tcataacaga aaaagtaaat 360
 ttgcaatcat gagtgtcctt gaggtctagg acataaacgc cttagatgag atacccttta 420
 ccaatcctct tgcaagcttg cttctcttga atatcaaatt cattttggga aaaaatggac 480

<210> 8660
 <211> 484
 <212> DNA
 <213> Glycine max

<400> 8660

tctaatactgg atttcttgga ttttgagaag tatctttttc aattaagatt gtcaaataat 60
agacagaaaa ggttggtgta tcaactgaat ataaagaagt cagttaaaat gaaaaaggtt 120
gttcagtaga atatgaaact aactgcgcca taattcttaa ataataaat attgagactt 180
gagagaattc ccagtgtgga gaacgtataa tggcttaata taaataaggt taagatgata 240
acccaaattt tgagaagtat gccagtgggt catcacgagc aggaccagca taaacaagtg 300
aaccctctgt tagcaagatg atgtcatcaa atttactata cactgaacct cttggctgat 360
gtatcgaaca aattacagta tgaccatctt gtgcaagttg tttgagagtt tccatgactt 420
tctcagcctg gaaggcatca agttcttgga aacacagaaa acaactttca tgacaaaaat 480
atgt 484

<210> 8661

<211> 178

<212> DNA

<213> Glycine max

<400> 8661

agcttagaag gaacctatcc aggtttgtaa cggctttttt tgcagtgaga gcagagaatc 60
catagtgagc attgactttc agtatccatt ccaactgcctc acgacgaagc tgagaaagac 120
aagagtccaa aagcgcatta ttgttattat tattgctatc attgctatta tcatcact 178

<210> 8662

<211> 401

<212> DNA

<213> Glycine max

<400> 8662

ctaagcttat ggaacaagtg agaggtggga gagcaaaatt tgactcctaa agatttgttt 60
tcactgcagg tgcaactgca gccaacgaac tcttaacctt catcctcgct aaccaggag 120
atgctttact cgttccaacc cttactatc ctgggtaagt aattaacaac aagctctttc 180
atttaattag aaatactaac tgacaatttc aatattgatt ggaatttatc ggaaatcacc 240
atTTTTTTTa gattctggtg ctctcatct aataattctc acttcttata tatattaaat 300
gagaaatgaa atctattaga attgattttt aataaatcat aaaaagtgtg agagagaaag 360

tgatcatcttc atttacttta tagtaaaaaat aaaatgacat t

401

<210> 8663

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8663

agcttgcatc cgggtgcttgt tgtcagggtg aagnttttcta tccttttttat cctgcncnna 60
ncttganttc ccatttgcac cgtaccaaag tcaccgcttt ggtaggatga gaagaaactt 120
ccatgtgcag taacatggaa ggaggcacca gaattgacaa tccaagaact atcatcacia 180
gcaatgttta ggatattacc ttcaccaacg agacataaca aatcttcttt tgaaactatg 240
acaggaggat tcttctcttc ttgcttcttt gatgggttga cttgggtctgg cttaacgtta 300
ctggcctttt gatctctctt g 321

<210> 8664

<211> 517

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8664

ttgactcttt ctttgtagag ttttgaagat tcataagttg tcagtttttag ttcttccaac 60
tccaacagtt gaatattcct gtgttccttg gatgccttct catcaaaatt cagaaatttt 120
aaagcccaat atgctttgtg ttccatttca actggtaaatt gacatgattt tccatacacc 180
agttgaaaag gagataagcc aattggggtc ttgtatgaag ttctgtaagc ccacagtgca 240
tcttccaatt tgggtgacca atcttttcta gttgacgcca ctgttttctc taatatcttc 300
tttaattntc tattggacac tttggcttgc ccattagttt gaggggtgata ggggggatgcc 360
accttatgat tcacatgata ttgactcaac accttttgaa gctgagcatt acaaaaatgt 420
gaaccaccgt cactgatcaa gatccgaggc accccanatt gagcaaaaat attcttcttt 480
ataaaaatta ccacagtctt agcatcattt cttggag 517

<210> 8665

<211> 662

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8665

ctcagcttat cattttttga aggattggag aatttatatn gtcgnatttt ttaaanacnn 60
 nngatttata ttaaaataat taacgatatc tttattttga tatcatatat tttttcctta 120
 taatgatttt aaaataaaat aatagaggag tgtatactat atatatatat aacataacaa 180
 ctttagggat gtgttgatga ttgagggtcg tcggaaaacc atgaatacta ataatgacgt 240
 gttgtctctg aatctaagca tcatgaatca ttaatcccca ccgtcccggc cccgagggct 300
 gaattggatc cacataacac attcatttcc caccgtccga aaagtgtgag acgattccct 360
 gaaataatga taaattaatc ttataaataa tttgataaat tagtatggta gataatttag 420
 ttattgaata taaaaaaaat atgataaatt agtctttag ataathtagt aataaattgg 480
 tcactaaata ttacaaatta ataacaaatt gatcataaaa aatataatat attatctaatt 540
 tgatcattaa atattacttt tctctgatct caaatttaag attaaaaaat tgacacacta 600
 gaaagtagtt tatcatgtta attggcttaa atttagtta aaatattttt gtctcaacta 660
 ct 662

<210> 8666
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8666

tgacaagaaa gcagaacctg gaatttnttt gtgtatatct caacttcaaa ggcctacaga 60
 atctacctac catagagcaa caaagtaatc atcagcaggg atgtcaaatt tctggagtca 120
 gatagttggg actggaaaaa tgataagagg tccgagtttc aggaggagaa tgaagatggt 180
 gatgaagaac ccataagagg aaccagatca ctttcagaca tctgccaaag gtgtaatggt 240
 gctgtgatgg agcctgacgg atatgaagaa gctacagctg atcagaaatg gataaatgca 300
 atgaaagagg agcttacaat gattgaaaaa aataaaacat gggagctggt ggacagacct 360
 aaccacaaga aagcgattgg tgtcaagtgg gtttatagaa ccaagctcaa tccggatggt 420
 tc 422

<210> 8667
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8667

tttgtagtcc tctttgatca aaggttcatt tataacattt ctcaggccat aatagggatg 60
 atagaaatag atctaaacca aacagtctcc ctaatttata tttcacctaa ttacactatg 120
 aatcttagtg atttcataca aaacataaac ctagaagtcc aaacaatagg ttttggaaga 180
 aactttgagg gacataattt atacttggat attaacttca ttggtagaat aagtgatcaa 240
 atatccccta gatacaggat aaacactaat ccattagtga caaccttatc atctgatgga 300
 atccaatttt tgccacccaa aatatttgat tctccagaa accaaaacaa tcaatggcaa 360
 acacatattg aggctggatc ctctaggagt gcaataacca ctcccgggat cactatnnat 420
 acaaacaa 428

<210> 8668
 <211> 380
 <212> DNA
 <213> Glycine max

 <400> 8668

actcagcttg agaaaactac gacaattttt taactcggat tctaactcgag ccctgtaata 60
 tatcgagacg ctcgtaattg aaaacggaag ctctaagaaa agtcaaacga caataacttt 120
 taactcggat gtctgatcga gccctataat atatcaagac gctctaaatt gaaaacggaa 180
 gctctaagaa aagtcaaacg acaataactt ttaactcgga tgtcctattg agccctgtaa 240
 tatatcgaga cgctcgaaat tgaaaacgga agctctaaga aaagtcaaac gacaataact 300
 tttaactcgg atgtccgac gagccctgta atatatcgag acgctcgtaa ttgaaaccga 360
 agctctagaa aagtcaaacg 380

<210> 8669
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 8669

agcttcaggt ttcaatttcg tgcgtctcga tatacttctg gacacaatcg gacacccgag 60

ttaaaagtta ttgtcgtttg aatttgatca gtgtttttgg tttcaatttc gagcgtctcg 120

atattttacg cggctctatc cgacatccga gttaaaagtt attgtcggta gatttttcta 180

agggttttcc ttttcaattc cgagcgtctt gatataattaa cggacacaat cggacacccg 240

agttaaaact tattgtcgtt tgaattttct tagagcttgt gttttcaatt 290

<210> 8670

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8670

agcttgccgc cacggagttt ttcgactatg ctcttgtgtg gtgggttctag ctacaaaagg 60

agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

aaaagattga agaagatgag gaggttaacta tggctcgatt tcttaatggg ttgactaatg 300

atatccgtga tattgttgag ct 322

<210> 8671

<211> 323

<212> DNA

<213> Glycine max

<400> 8671

agctttacta gtgaggtcgt gcttattttt aaaccttttg ctaaatctcg ataggtgatc 60

ctttgtgata aaggaagctg acaaaaattca tcatcattta attgaacact cttcactcca 120

caattttttt tcttatgaga cacatcacct atcttgattc tttgcctcca aatgcattca 180

atcacactaa tggaaactga atatgttgaa gcaactaatt ctttggtatt ttctttcaat 240

ttcctattag aattgtgcta atataggaaa ttagctatgg ccatacggtc ttcattgctt 300

aaaaacttat gttgaccatt tat 323

<210> 8672
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 8672

tcggtattct atttcgagcg ttccgatatt tttgggtttc aataagacat ccgagtaaaa 60
 agttattgtc gtttgaattt gtcagagct ttggtattcc atttcgagct tctcgatata 120
 ttacgagact caatcggaca tccgagtaaa aatttattgt cgtttgaatt tgcttaaagc 180
 ttcaacattc aattacgagc gtgcggatat attacggtac tcaatcagac atccgagtaa 240
 aaagttattg gcggttgaat tggctcagag cttcgggagt ccatttcgag cttctcgata 300
 tattacggga ctcaatcaga catccgagta aaaaggtatt gtcgtttgaa tttgctc 357

<210> 8673
 <211> 473
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8673

tgatccttga atcttgattc ttgattcttg ttatcatttt ttcttttgaa tcntgaaggg 60
 ttcttgattc tatcttgaac atcttgaact cattctttct tgattctatc ttgaacatct 120
 tgaactcatt ctttgattaa ctttgagct ttttgtcatc acctttgtta tcatcaaaac 180
 atctttgaat caatattgat tcatcatgaa gctttgcttc tacacatgac cctccagtta 240
 gctgatcgct ccacgcaag accatatgga gtgattgaag atgttttggg gaagggtgaaa 300
 caccttatat tcccagctga ttttgttgtg atagacatag aagaggacac tgatattcct 360
 ctcatctctg gtgcgccatt catgtctact gcaagctgtg tagtaaatat gggaaagaaa 420
 gatgtgcaaa tgggcataga agatcaggaa atcagctttg atttatttca tga 473

<210> 8674
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 8674

agcttagagt agaactcatc atcccaatta tgtaacacc atgagaacta aaaaccagcc 60

taagtatgat taaagaaaca gaaaaaaca tcaacagagga cataaagata aaacagtcaa 120
gaaaaacata aattggataa atcaaaatatt attattatga tataatatac atacaacaat 180
ttataaataa tttttgtgtg tttttttctc tatatcatta tgacatgtaa taaataatgt 240
gtagaagaga agtagacaca aaataactat tgtatgaata ttattgagca aataatattt 300
ctttcaaaat tatatat 317

<210> 8675
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8675

tgctctatga aacatttatg ctttacaatt tggttaacttt gatattatca aattgtgaat 60
ttcttattca gttgccacga ccgataggaa atctgggttaa tttacgccac ctggacatca 120
gttacctaa ttttccagag atggcaacac aaatctgtag actacaatat cttcgtactt 180
tgacagtttt tattgttggc aaacaagatg gattaagtat cagagattta agaaaatttc 240
cttatttgtt gggcaagctt tccattctga acctgcaaaa tgttgtcaat cctgtggatg 300
catttcgggc caacttanag aacaaagagc aaattgagga gcttatgctg gagtggggaa 360
gcaatccaca agatccacag atcgaaaaaa atgtacttaa caact 405

<210> 8676
<211> 312
<212> DNA
<213> Glycine max
<400> 8676

agcttccgct tgaggggaag gctacgatgt gtaatatact cacactggag ggggagatgt 60
gttgagtaca agtgtgaggt aaagtccac atcgggtaaa agtggaagg ttgagcacca 120
tataagtgag gagaagaccc ataaacatga gccttaagggt tttgggttag agtgtggtgt 180
caggcctcct tatgtggtgg ctctgtgtcc agagggtgtac cctcgaatc tccccaat 240
cagagccata tgaatcatgt ccaaagtatt gggcgatggt gacacctatt cttgtagcac 300
aaacacaaca ag 312

<210> 8677
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8677

ttggagtttc caagtgccaa ttcgncgtct tcttttagttc agtcttcttc tggcttcaat 60
 tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
 gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180
 tcatagttgc ttccatcaag aattggtggt ctgttcaactg gtccgccttc tttctccatg 240
 ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
 aattgaaatt ctgataccag gggacagatg tcgtaccgga tgtcacgaca tcacgcttca 360
 gaacatgcag attatatgtg tccgtatgaa cagattaaac aagtaaataa cacaagagaa 420
 ttgtttaccc agttcgggtgc aacctcacct acatcttggg gctaccaagc ccaggaggaa 480
 atccactctc aatagtgtta gttcaag 507

<210> 8678
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 8678

agcttagatg tcttttctaa cttttaagtg attatTTTTT ataacaaagc attgcaaaaa 60
 ttattacctc acatggagct acatgccctg atacattcag gatttctgat ctcttggaat 120
 ttaaagacga ccagtgtata attgagtaac tcgaaacaag atatgcatca tgctttgatg 180
 ttgccccaac caagtttctt aactgcaa at gaaaaaatag aggtataaca ttaatttttag 240
 ttaactcatt gatcatggca tactctgaat ttttagaagg taatagtagg ataatttaaat 300
 tctattatat gcaa 314

<210> 8679
 <211> 507
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8679

tcaagctttc tccactaagt ttcctaagtc cggaaatggc nntattgatg gctttgggtct 60
tagatgcagg gaagaatttc tccaagaaca ccctcttaag gtcatcccag ctaaaaatgg 120
acctggggagc aaggtagtag agccaatctt ttgccactcc ctccagagaa tgaggaaaag 180
ccttttagaaa gatatgatct tcttgacat caggggggctt catggtggaa caaacaatat 240
ggaactcttt aatatgctta tgaggatctt cacctgcaag accatgaaac ttgggcagca 300
aatgtattag tccagtcttg agaacatatg gaacaccctc accaggatat tgaatgcaca 360
agctttcata agtgaaatca tgtgcaacca tctccctaag agtcctctca cgaagtggag 420
gttgagccat gttctcacta tgaaaattag tagtgaaatg ctcaaaaaca gaatattcag 480
aacacccttc acagaatgct caaaatg 507

<210> 8680
<211> 325
<212> DNA
<213> Glycine max

<400> 8680
agcttaacag tttttttttt tccttagtgc aaacttttca aaatttttat caaaataatc 60
ttcaaatgat tcatatttta gtgtatttta aatttttttg aatttttatc tacatatgaa 120
ttagttatca aataattttt tattaatgca aaatttgata aatatgatat gcatgaaagg 180
aactttcaat ctaatatgaa ttttaaaata aaattattca attaaaagtt attaaaagtt 240
attaaatgat gtaatattta atgcattaca ttcatgtcat ttgatctctc ctatatattt 300
attaattttt atatattaat aagat 325

<210> 8681
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8681

agctntacaa caaatgccac ttactccaa gttntatatt gatatgttaa caaggacaca 60
caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtggtg tgattcaaaa 120
gatccttcca cccaagcata aagaccctgg gagtgtaacc attccttggt caattggaga 180

agtcactatg gaaaggcact tattgatctg ggagctagta ttaccataat gccactctcc 240
atgtgcagaa ggttgggaga gttggagatc atgccacta ggatgacttt acaacttggt 300
gaccgctcta ttaccagacc atatg 325

<210> 8682
<211> 471
<212> DNA
<213> Glycine max
<400> 8682

tgaaggcaaa ctggatgcat tggttaactt gtaacctatc tggccttgaa tcagaaaattt 60
gtacctgtcg caaggggttg tggtttgtgc tcctctgctg accaccatac agacctttgc 120
ccttccatgc agcaacctgg agcaattgaa cagcctgaag cttatgctgc aaatatttac 180
aatagacctc ctcaacctca gcagcaaaat caaccacagc agaacaatta tgacctttcc 240
agcaacagat acaacctggt atggaggaat caccctaacc tcagatgggc cagccctcag 300
caacaacaac agcagcctgc tccttccttc caaaatgctg ctggcccaag cagaccatac 360
attcctccac caatccaaca acagcaacaa ccctagaaac agccaacagt tgaggcccct 420
ccacaacctt ccctcgaaga acttgtgagg caaatgacta tgcagaacat g 471

<210> 8683
<211> 499
<212> DNA
<213> Glycine max
<400> 8683

tctaagcttt cgtgttaatt tcgagcgtct catataattg cttttgaatc gacctccggg 60
gaaaagttat gaccatttga atttctcgag agctttcatt gttcaatttc gagtgtctcg 120
atatattatg cgcttgaatc gaacctccat gtgaaaagat aagaccattt gaatttctcg 180
agagcttccg ttgttcaatt tcatacgtct cgatatatta tgcgcctaaa tctgacttcc 240
gagtgaatg ttatgacagt ttgaatttct cgagagcttt cgcttgatcaa tttctagcgc 300
ctcgaatatt atgcgcccga atcggaacct cgagtgaata gttatgacca tttgaatttc 360
tcgagagcta tgcttgggtca atttcgagcg cctcgatata tcatgcgcct gaattggacc 420
tccatgtgaa aagtatgacc atttgaattt ctcgagaact ttcagttgtc caatttcaag 480

cgcccaatat attatgcgc

499

<210> 8684
<211> 593
<212> DNA
<213> Glycine max

<400> 8684

tcaagatgaa tcaagattga ttcaaagatt tttgatgttt acaaagatga tgacaaaaag 60
caaagctcaa aagtcaagaa cacttcatga taacaaagat gatgatctca agaatcaaag 120
aatgagttca agattgaatc aagaacactt caagggttcaa gaggaatttt gatttcaaga 180
atcaagtttc aagattcaag ttccaagaat caagatcaag attcaagact aaagattcaa 240
gaatcaagag aagactcaat caagataagt attaaaaagt ttttttataaa aactgagtgg 300
cacatgaatt ttttctaaaa accttttacc aaagagtttt tactctctgg taatcgatta 360
ccagattatt gtaatcgatt accaatagca aaatgttttt caaaaagctt tcaactgaat 420
atacaacgtt ccaattgatt tcaaaatggt gtaatcgatt acaatgattt ggtaatcgat 480
taccagtatg tttgaacgtt ggaatttcaa attagatgtg aagagtcaca tcctttcaca 540
aaaagctttg tgtaatcgat tacactgatt tggtaatcta ttaccagtga tag 593

<210> 8685
<211> 314
<212> DNA
<213> Glycine max

<400> 8685

agcttgggtcc ccaacgctct cttcaatctc tcccaaaatc tagaggtaaa cctaggatct 60
ctattagata ctatgctaga tggcacacca tgtaatctga caatccact tatatacagg 120
gagctcaact tctccaagga aaatatgata ttaatggcaa tgaagtgagt agacttagtc 180
agtctatcaa caataacca gatagaatct aaacctctag gggttctagg tagtcctacc 240
acaaaatcca tggaaatact atccctcttc cactagggtg tctctaaggg ttgtaacttc 300
cctgaaggtc tctg 314

<210> 8686
<211> 320
<212> DNA

<213> Glycine max

<400> 8686

agcttgacaa gcaccaatc gcccttctga aagttgactt cgtgtctatt gctatccgtg 60
aagtgtttca taaattgttg tgccttaata attttcttcc caaggcttct aaatatttct 120
tcgtgattga ctaggaaatc aactgttctg atgttgatg ttccagccaa atactgtggc 180
atattgggtg gtttcttgct aaaagtggct tcatatagtg aaatccagtt ccaacgtgca 240
ctgaagtatt ataagaccat ccggtccaca tcaagaaata gcccctatgtc gatggatgat 300
gatggacaaa atcctcaagt 320

<210> 8687

<211> 549

<212> DNA

<213> Glycine max

<400> 8687

taactgtttt gttaaatac atatctaata taaatcattt ttgtgataac aagatttgtc 60
ttaaaccagt tcaatcatat gcatcaaagt ataaaaactt tcataaaaca aaaaaatggc 120
tttgtggatg aaaagctgga aataacattc tgagtacaac attatgacaa aaacatttct 180
tagtattgca ttgtcataac ataaactgag attttcataa taacaatatt ctgataaatt 240
tttttattta aataatgaac atcaaaacat aagaaaatgt gcattgacat taggttctca 300
taatcatatc aaacatttca taatgagttt tgtgactaac caagtagaga gtttagttat 360
ctaagtgttt gaacctctat gttaagactt ttgtcatacc aaaataatct tgagtaaaag 420
ttcaaaaaag gttaaagttt aagaaaggtt aacaaagtca caataacccc tcattcttgt 480
gatgttttaa tcacttcaac cataaccacc accagtgtcg tcgcaaccac caccaccaac 540
aacaccaca 549

<210> 8688

<211> 438

<212> DNA

<213> Glycine max

<400> 8688

tctaaacttt atgcaagaat gaagctctaa taccactttg ttgaaaagtg gcctcagtta 60

acatacctag gtttattgga gtattgacgg tgcatagaaga aattgatgca acctgtttgg 300
gttgattggg tgtcgtgttc tcggcggatg gctcctggat taaggcgagt agtgccttgt 360
actgctcagg ggagaagcga acgaactcat gggactcatg atgctgagct ngatcatcag 420
tggctttgct ttctactgtc actacgttgt tcatgggtgg cctttcatcg taaggcttgt 480
atcccggcgg gtacccatgt ttccgatagc agacatccac tgtatgtcct aacttgccga 540
gtgggtgcac gtttttcctt ccttgttact ctaatttttc cattgg 586

<210> 8691
<211> 240
<212> DNA
<213> Glycine max

<400> 8691

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ggactcgagc ttctcagggt ccacttggac cccattttcta ccaactacaa actctaagaa 120
aactatatta tctacacaca aagtacactt atctatatatt gcatagaagg agattttcct 180
aaagactgaa agagctagcc tgagatgtac ctaaggatca tctaggctcc tactgtacac 240

<210> 8692
<211> 325
<212> DNA
<213> Glycine max

<400> 8692

agcttaacaa aaggcatgcg aagtgggtgg aattcctata gcaatttcct tatgttatca 60
aacataaaaaa gggaaaaagt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaaaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tgaaaaaatt tttaaaaatt gggaaaaaat ttcagaaaat ggtttcttta 240
gacattaagg ctttcttttc aaagaaaaca aattgggggt gcctaaatgt tctactaaaa 300
atttgcttgt ttgtgaagca catga 325

<210> 8693
<211> 508
<212> DNA
<213> Glycine max

<400> 8693

tgaaatgcta caaaaaatgg ccaaatgccc aaggagtttt acaacttgct aacttttatt 60
taaatagataa ctgataggct tgtaagtagg ggcaaattat tcctagatta ttacattttc 120
aattggccttc tacatataat gcaactcatg tttttggtag ttttggagca ttggtagtat 180
tgttatgaat atatgatatt ctatattagt tgttaaatct aatttcgatt tctcatatatt 240
gtgtgtatatt atagggttaat tcatttattg tctattttgc tattcatcaa cttgcttttg 300
tatttgactt gtttatgtaa ataggtagcg acttagagct cttaactttg agtatgcttc 360
agtgtgtcta caaggtagat cattaaatta acctcttggt atgaacttat gatattctat 420
attaaattgt aaatctaaat acgggtttctc gtatttgagt gtatttataa gttaattcat 480
ttattggcta ttttctattc atcaactt 508

<210> 8694

<211> 313

<212> DNA

<213> Glycine max

<400> 8694

tgccaaccca tggaagctcc taatatctcc cacactttat ggggcggggc attctcggat 60
gggctcgatc ttctcacggg ccacttggac cccattttota ccaactacaa actctaagaa 120
aactatatta tctacacaca aagtacactt tctctatatt tgcatagagg agcgtgtttc 180
taaagactga aagaacttgc ctgagatgtc ctaagtgatc atctaggctc ctactgtaca 240
ctacaatatc atcaaaataa acaactacca atccacctat gaaatccctt aagacatgat 300
gcataagcct cat 313

<210> 8695

<211> 314

<212> DNA

<213> Glycine max

<400> 8695

agctttgaga aattttctaac aacaataact ttttactcgg atgtccgaat aagtctcgta 60
atatattgag acgcttgaaa ttgaaaacaa aagctctcag caaattcaaa cgacaataac 120
cttttactca gatgtccgat tgtgtcccgat aatatatcga gatgctcgaa attcagaata 180

gaagctctga gcaaaatcaa acgacaataa cgttttactc ggatgtccga atgagtctcg 240
 taatatattg agacgctcat aattgataac agaagctctg agaaaattct aacgacaata 300
 acctttttacg caga 314

<210> 8696
 <211> 649
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8696

tccttttccaa agactcgtaa gggaaatcgc tcaggacttc aataccaatc tctacttcca 60
 cagcagcgcc gtctccactc tccaagaagc cgtagaggcc tacctcggtg tgctcttcga 120
 ggacaccaac ctctgcacca ttcacccaaa agagttacca ttatgccaaa ggactgagggc 180
 ctaccttggtt gggctcttgt ttattttcat tgaatattga aattttaatt tttaaataaa 240
 tattttaaaaa tgaaaatttg aattttattg aaattgaatc actttgtcca aataagaaaa 300
 ttaaaataca agaatttgaa ttacctcatc caaacaaaat atttacaaaa ggaaaggaat 360
 taaaatcaag gcaatcaaaa tgttatgaat ttaaatttct tagaaatttt taaattcctc 420
 atccaaacac atgggttaggg tcatttntgt agagggaaaa gaaatataat gnaaacaaat 480
 taagataaat tcttaaatta aagtacaacg taaaagtgtg aatatcacat cattatagga 540
 tttatttagg tttttttggt ccgtttcttt gcattgaccg atgttatgag aaagagagaa 600
 aatnaanata tatatatata tatatatata tatatatata tatatatat 649

<210> 8697
 <211> 574
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8697

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 taaccacaag ctgcaataat gtgtgaacat ggatagtga ggcgagaata ctttctgcat 120
 tgacaatgat gaccatttaa gttaactgcc cacttttgtc cgccgcgttg cgttataggg 180
 ttgaaggtct cctctacttc aaaccttgtg gagtggatat catacacgca aatgatgtgc 240

gtacaagctt gttcttgatt tttcctaagt tctttaacaa gcttcgaaca atatacttgt 300
 ccttcattta aaagtctttg ggcttggtgg ccacgctcaa caaaataactt tcgacaccta 360
 cagtatatgg atttgaccaa tgttggtatg ggaatgttgc gacaatcctt taaaacctta 420
 ttgatacatt ctgagagggt gggtgtcatg tggccatata gacgtccttc tctatcataa 480
 gccatcgtec atttttcttt tgaaatgcga tcaatccatg ttgctatggg ttgactcaat 540
 tgacgaaatt tgtctaaatt tgatcaaaat gtgc 574

<210> 8698
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8698

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 cacctttgtc aatgatattc ttcattgctc ttaagtgcag atgtccaaat ctatgatgcc 120
 atattctgac ttcattcttc ttggatgata gacatgtgga ggagtcactg gtctcaagaa 180
 gtgtccatat ggaacagatg ccctttgatc tgctgccctt gattggaact tcactctctt 240
 catttgtacc aagcattctg accttngaa gtatacattg aatccttcat cacacaactg 300
 actgatgctg atctat 316

<210> 8699
 <211> 349
 <212> DNA
 <213> Glycine max
 <400> 8699

agcttaataa atctatatat ggtttaaaac atgactcccg tcagtgggtac ctttaagtttc 60
 atgggataat ttcttcattt ggttttgatg aaaatcccat ggatcaatgc atataccaca 120
 agggttagtga gagtaaaata tgttttcttg ttttatatgc aaatgatatt ttaattacat 180
 gaggtgaaac aatttctttt taagaatttt gacatgaagg atatgggtga tgcattctat 240
 gtcacggca ttaagattca tagagataga cctcgaggta ttttaggtct atcacaggaa 300
 acctatatta acaaaatttt gagagatttt ggatgaaaga ttatctacc 349

<210> 8700
 <211> 265
 <212> DNA
 <213> Glycine max

 <400> 8700

 agcttcgtcc atgtcgccag tcaactggct tttgtgggtca atactccaag ttagcaaaaa 60
 ggttctacga cccatttcaa attgttcaaa ggatcggacc tgtagcatat aaacttgact 120
 taccttcaac ctctagaatc caccctgtct tgcattgggtc cttactcaag ccttatcact 180
 ctttactgac cacaacagaa acacccatcc ccttgcccaa tgctgatgaa gatttctaac 240
 ccttcctcca cccctctcac tgtat 265

<210> 8701
 <211> 255
 <212> DNA
 <213> Glycine max

 <400> 8701

 atacagaata cagatccctt ctgcataatg ggcaagaacc atgtctgaag agccacttat 60
 ctatgcaagg gaggtgaaac atgtgatggc aatgaggcaa acttcttact gtctctccaa 120
 gcataaagtc ctatatattg cacaaatgca caaatttcat atatcacaat acacaatctt 180
 agaaaacata tagttcaagg gatacacatc tagtgggtatt gacgatgtaa agtgtaaaac 240
 taacctgcag caaac 255

<210> 8702
 <211> 314
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8702

 agcttcaaac cacaacaaca caaattctag gtatcccaaa cccctcaatt tgatggattt 60
 tcatgggtttg agaagtgaaa ttgagaatga ggtaaatttg aagcaaactc tcacctcaca 120
 caagtctata agtactaacg taacaactca aacgatatgt atgcacaaaa caaaagtcaa 180
 tcaaaacgaa acaaacgtta gccctcagt taaacaaaaa taaaatgata tgtaacagat 240
 aaaagaggaa acataanaag agaatatgga tctagggatc tccaatcat gtggctccgc 300

atgccacccg gact

314

<210> 8703

<211> 320

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8703

ttggagttca aaagactctg tacatttctc ttggcaaaaa atgaaacatg atgttatcaa 60

gtntntttct aattgcattg tgtgtcataa ggcaaagttc aaagtcatgc atcatgggtt 120

gcatactcca ttgtcaattc ctacctccc ttggacctac atttccatag attntgtgct 180

tgctcttcca aggtccaaga gggacaagga ttccgatttc ttggttgtga taagtttcca 240

agatggcaca cttcattcca tgtcataagg tggatgatgn ctgtcatgta gcggatctgt 300

tcttcacaga agtaatgtgt 320

<210> 8704

<211> 221

<212> DNA

<213> Glycine max

<400> 8704

agcttctatt tataggttca ctctatttt ctctacaatt gcatcacctt tcaatgagct 60

ggtgaagaag aatgtggcat ttacctgggg tgaaaaacaa gatcaagcct ttgctttgct 120

caaagaaaag cttactaagg cacctgttct agctcttctt gacttttcta aaacttttga 180

gctagaatgt gatgccctg gagtgggagt tgggaacttga t 221

<210> 8705

<211> 274

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8705

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agtgaaaagt tatgtcatat gagttagccg agagcttcgt tgttcgattt cgagcgtctc 120

gacatattat tggcctgaat cggacatccg agtcacaagt tatggcgggt taaactctcc 180

atgtgcttcc atgtgtaatt ttgagcatct cgatatatta tgcaccttaa tcggacatct 240
gagtgagaag atatgccata tgagatagcc gaga 274

<210> 8706
<211> 293
<212> DNA
<213> Glycine max

<400> 8706

ttgatctacc accaccgccg ccaccattat ctttgttttc tattattatt agtactttga 60
tttctagctg tgtatttggc tatattatta tgaaatttga acaatttagt atttctttta 120
tttgcattgt gtgattgaaa aattatgaat tatgtcatat gactatgtgg tttttatata 180
tttgatctat tcatgtttct tgcttcatga ttgggttata ctctttaatg aatgtcttgt 240
gtatgattag tagtgtatgt atgttttttt cttgttacgc actttggcctt ttt 293

<210> 8707
<211> 465
<212> DNA
<213> Glycine max

<400> 8707

gttatcaaac ataaaaaggg aaaaggtaat attgtagccg atgctctttc tcggcgctcat 60
gccttacttt ctatgcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat 120
gaaaatgatg aaacttttgg agaaattttt aaaaattgtg aaaatttttc agaaaatggg 180
ttcttttagac atgaaggctt tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct 240
actagaaatt tgcttttttg tgaagcacat gaaggagggt taatggggca ttttggggtc 300
caaaagactc tagaaacatt acaagaacat ttttattggc ctcatatgaa aaaggatgtg 360
cagagatttt gtgaacattg cattgtatgt aaaaaggcaa agtctaagggt aaagcctcat 420
ggatcgata ctccattgac aattccggag tatccttgga ttgat 465

<210> 8708
<211> 286
<212> DNA
<213> Glycine max

<400> 8708

tcaacatcag accacttcca ggggtgctgga actacttcac atggacttga tggggcccat 60
gcatgttgaa agccttggag gaaagaggtc tgcctatgtt gttagggatg atttctccag 120
atttacctgc gtcaactttt tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcaaagag aaaaagactg tgtcatcaag ataattacga gtgaccatgg 240
cggagagttt gaaaacagca agtttactga attgtgcaca tctgaa 286

<210> 8709
<211> 448
<212> DNA
<213> Glycine max

<400> 8709

tcgattacca atagcaaagt ttgttttcaa aaagctttca aactgaattt acaacgttcc 60
aattattttc aaaatgggtgc aatcgattac aagattttgg taatcaatta ccagtgtgtt 120
tgaacgttga aatgcaaatt caattgtgaa gagtcacatc ctttcacaaa aatgctttgt 180
gtaatcgatt acaattgaaa ttctgatact ggggacagat gtcgtacagg atgtcacgac 240
atcacgcttc agaacatgca gattgtcttt gactgtatga acaaattaag caagtaaata 300
acacaagaga attgtaaccc agttcgggtgc aacctcacct acatctgggg gctaccaagc 360
cagggaggaa atccactaaa atagtgttag ttcaaggctt aacagccact gtttacaacc 420
ttctcaccta accactaccc gtgcaatc 448

<210> 8710
<211> 399
<212> DNA
<213> Glycine max

<400> 8710

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agtccaccag attcaaggtc tttggaggca gcgttagggg ttgcttttcc cgcctaagag 120
tcgagaaaatt ggcgctctgg ggccgccgcg ccacgaaggg ggacgagtgg cgggggatcg 180
ataacctttt tctgggaatg gggatggaat ctgtcgtggg tttctgtttg aagggagggt 240
caatgttgtc ccagggggct ctgggggtta ttgttgaaa ttggtaatgt tgtgttgat 300
aaatattgat tgtgggttat tttggatcaa tgagtgcag attatgaaat gctgatgttt 360

gattcagtct atacagtgcc ttgtgtatat acatttaac 399

<210> 8711

<211> 283

<212> DNA

<213> Glycine max

<400> 8711

taattggagc ttggatgcct atgatcttct tcatcaatgg attcctttgc ttctaggaag 60

attaatggca gcggtgtgga tattggaaca gagagaggag acgccgctta agggataaca 120

tgagtctaga agaagcttac caccatagga ggccatggat aaaagcttgg atgacgatgg 180

atatgaatga acggagaggg atataacagc ccgacctttt gtgctctaaa ggcgctctga 240

gatctgacat ttaatcttca aatgatcata gcttagacaa ttg 283

<210> 8712

<211> 294

<212> DNA

<213> Glycine max

<400> 8712

tgctggcctc aggcgctgtg gcaagagtgt tctccttctt tggacgaatt atcttcgccc 60

agacttgaag agagggctcc tcacagaggc agaggagcaa cttgttattg atctccatgc 120

ccgtcttggc aacagggtttt ttgttcttcg caagcttagc tacatgcatt gccttctttt 180

tgtgaacaat tctttcatga acacagtttt tataagtatg aaaaactgat tttttttgtt 240

atttattatt ttagtacatc ttggacttgt aagtgtccgt gcctgctgta gacc 294

<210> 8713

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8713

gggagagata actgaccaaa tcttttcatg gctattcttc cagaagaacg ctcccctgat 60

gtagtttcgt ttatagcttg gaccatctca tttttgctga catatccatc cttgttcttg 120

tctaagaata caaatgtatc aaccaaagtc tcaaatgtgc cctccagctt tggcatccca 180

attcgtgatt tctaggaag tcatggaaaa aaattcgaag atgtagcaaa acatggaaat 240
tcaagggttta ttgttatcaa tgcaagcatg atgaaattct aggctgccct gaagaaatgc 300
atgaaatgtc cataaaataa aataaaaaaag gaatgaacat atagaatnga attgttcata 360
aagtacaaac atcttctgaa tatagaaatg atgggcgata agctgcaaaa gacagaatcc 420
gattcaatct caaaagtaat gttacaaccc aactaatc 458

<210> 8714
<211> 290
<212> DNA
<213> Glycine max

<400> 8714

tgcatacaag attctccttg tctggctctt cataaccttc tggttgggtc atatagatgt 60
cttcctctaa atccgcatgc aagaatgcag ttttaacatc taactgctcc aagtgaagat 120
tctctgcagc tactatgctc agaataactc tgatggtagt catctttaca aatggagaga 180
agatctctgt gaaatcaatt ccttgtttct gctgaaaccc tttcaccaca agtctcgcct 240
tgtatcttct tctaccgtta gattcttcct ttaacctata gaccaccta 290

<210> 8715
<211> 362
<212> DNA
<213> Glycine max

<400> 8715

aacacagcag ctttcggtga accaacccca taatacacag aaatcactaa ctaatactag 60
agctccctct actcttacag atggagatgc cccatcatgc tcaacttcac catctactaa 120
taactgccag atatctccga atctgatgaa aagaaatcaa caagtatcag ccacattagg 180
aggaccttcg gtagttgaac ccaccaatca tctgatgcag gagcttcata gcaagtctga 240
gatgcagatc aaacatgaat tgcccagtgt aagaggaact gatcagctga agttcacagg 300
gactgttgct gatcagatgg aagcttcttc tggaacatct tactgtattg atcctaataa 360
ta 362

<210> 8716
<211> 297
<212> DNA

<213> Glycine max

<400> 8716

ttgactaccc ttcagatata atactttcag gcatgaagtt gggattgaac ctcagaactg 60
gtattgaatg gagaatgaca tcttggaaga atcccaatga tccatcccca ggagactttt 120
attgggggtct tttgctttat aattatcctg agttttatct gatgatggga acagaaaagt 180
ttgtgagagt tggaccatgg aatggcctgc atttcagtgg cataccagat caaaagccta 240
acccgattta tgctttcaac tacatatcca acaaggatga gaagtactac acttata 297

<210> 8717

<211> 295

<212> DNA

<213> Glycine max

<400> 8717

tctacttatg ttaaagaatt ggccgctatc actgccgccg tgaagaaatg gagacaatac 60
ctccttggcc atcactttac aattcttaca gaccatcgaa gcctcaagga gttaattact 120
caggttatgc aaaccctga acaacaatta tatttagcca gactcattgg gtatgattat 180
tctatccaat ttctttccgg gaacactaat gtcactactg atgccctatc atgaattccc 240
acaacttaga ctagtgcctt tctcttatta tcaatgccta attttgtgtt cctgg 295

<210> 8718

<211> 295

<212> DNA

<213> Glycine max

<400> 8718

tgaggacaca tgaacgaaaa tgcaatttat ggtgctccga aaaagggatg agaatggaga 60
attgcactaa gcaatcacta cgcatggctc caaactcgaa ggtggaggac acatgaatga 120
aaatgcaatt catggggctc cgaaaaaggg tgagaatgga gaattgcact aagtgttagt 180
gtttggctct actgagcttt aaaagattgg ctaagatttt gttaaaacat aagcacttag 240
acaatgaagg aaaactggag ttgctgcaca tgatgtccaa cgttatgtca aggaa 295

<210> 8719

<211> 287

<212> DNA

<213> Glycine max

<400> 8719

tgaatcggac atccgtgtgt taagttttga ccatttgaat ggcacgagag cttccgttgt 60
tcaatttcga gtgtcactat atgtgatgcg ccaaaattgg acattcgagt taagtgttat 120
gaccatttga atttctcaag agcttccggt gttcaattct gagcgtctcg ttatgtgatt 180
tgcctgaatc ggacatccgt gtgaaaagtt atgaccattt gcatttctca agagctatcg 240
atgttcaatt tcaagcctct cgacatatta tgcgcccga tggaca 287

<210> 8720

<211> 336

<212> DNA

<213> Glycine max

<400> 8720

cacggatgtc cgattcgggc gcataatatg tcgagaggct cgaaattgaa caacggaagc 60
tcttgagaaa ttcaaattgg cataactttt cacacggatg tccgattcag gagcatcaca 120
tatagagacg cacgaaatta aaatgggtcat aactttgcac actgctgtcc gatataagct 180
tatactctgt tgttccactc gagattatac atcgtacact ctctagaaat tgaactggcc 240
gataactttt cacacatatg atcgattcga gcgcatacta tgacgagagg ctctggcttg 300
aataacggaa gcacttgaga aattcaacag gggata 336

<210> 8721

<211> 297

<212> DNA

<213> Glycine max

<400> 8721

ttgagcaaat tgaaatgaca ataactttat actctgatgt ccggttgagt cccgtgatat 60
atcgagacgc tcaaaattta gatccgaagc tctgagaaaa ttgaattgac aataacttta 120
tacacggatg tccggttgag tcccgtaata tatcgagacg ctccaaattg aaaacggaaa 180
ctcttagaaa attcaaacga caataacttt ttactcggat gcccacaga gtgtcgtaat 240
ttatcgaggg atgctccaaa ttgaaaacga aagctcgtat catattcaaa cgacaat 297

<210> 8722

<211> 346
 <212> DNA
 <213> Glycine max

<400> 8722

cgagtaaaaa gttattgtcc gttgaattgg ctcgtaggtt caacattcaa tttcaagcgt 60
 ctcgatatat taccggactc aatcagacat gtgagtaaaa agttattatc gtttgaattg 120
 gctcataggt tcaacattca acttcgagcg tctcgatata ttacgggact caatcagaca 180
 tccgagtaaa aagttattgc cgtttaaatt agctcatagg ttcaacattc aatttcgagc 240
 gtctcaatat atttcgggac tcaatcagac atccgagtta caaagttatt gtcctttgag 300
 taggctcaga gggttcaacat tcaatgtcga gcgacccgat atatta 346

<210> 8723
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 8723

aatccgatcc ttgggttaatg gatatttgaa gatgtcagca atttgatcca cagaagaata 60
 catgacagat ttggagcaat ttggattcaa caagctcatg aatgaaatgg aaatccaaag 120
 caatatgttt ggacctagtg tgtataacag gattcttggg cagaaaaatg gcgctgacat 180
 tatcacataa caataatgga ggacgtctaa taggaacaca aagatcttga agcagttgtt 240
 tgatccacaa cagctcacca gcagtgtatg cgagtgaaca atacttaact tcggtgctag 300
 atcttgcaac aactcgttgt tttcgagaag tccacctgat aagattggat ccatgaaaga 360
 tggcatatcc atactaagac ctgctatctt cagtgtctaa aaagccacca tcattctgaa 420
 taagcgagaa gagattgagc tctttagagt gtgaaatgaa tgcagcgatg tgaggttcct 480
 tt 482

<210> 8724
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8724

tccaggtaac caaaaaagat cattttcccc tgccattcat tgatcaaag cttgagcgct 60

tggcaagtat gtctcattac aatTTTTTTta tggTtcttat ggTtatttac aaattcatat 120
 tgTcctgag gatcaagaaa acaccacatt cacctatccc tttggcattt ttgcctatag 180
 gaggatgccc tttggcctat gcaacgcctc tggTaccttc caacggtgta tgcttagcat 240
 tttcaatgat tttttacaga gttgcataga tgtgtttatg gatgattata ctgtttatgg 300
 atcctctttt gatgcatgtt tggatagtct acatagagtt cttaataaat gcattgaaac 360
 taaccctgtg ctgaatttct gaaaatgtca cttcatg 397

<210> 8725
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8725

gaataagaat gaaaattaga aacgggaaag aaaagctggg ttgcctccca gtaagcgctc 60
 ttttaatgtc actagcttga cacatcatcc tgTtatctag gatccaatag agttcctact 120
 tcaaggacct tcttctcaag tctcctttcc tccatcacat acactttaaa atagacattt 180
 tggccaggTg gatctttgtc ctcatggaac aaatcaaagc tgatcttcta tgcccatctg 240
 cagcatcttc tttcccatgt ccgccatgca gtttgcaGta tatatgaatg ggcgGccaag 300
 aatgagagga atgccaacat cctcttctat gtctatgaca atgaaatcag ctggaaatat 360
 aaggTgttta accttcacca naacatcttc aatgactcca tatggccttg tgatggaa 418

<210> 8726
 <211> 293
 <212> DNA
 <213> Glycine max
 <400> 8726

tggatttcct tttagtaggg aatttattct tcctaagatg gagccaaacc cagtcaccct 60
 cattaagaac tagctctttt cttcctctat tgCcttttagt tgaatacacc tttgtttgat 120
 tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240
 gattgaaccc atagacaacc tcaaaagggg actgcttggt ggttctatga acc 293

<210> 8727
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 8727

ggcgcataat atatcgaaac gctcgaaatt gaacatcgga agctctcgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtctgatt taggcgcata atatatcgag acgctcgaaa 120
 ttgaacatcg gaagctctcg agatattcaa atgggcatat ctattcactc ggggggtgcga 180
 tttagggcga taatatatcg agacgctcga aattgaacat cggaaacctc cagaaactct 240
 aacgggcata aatttttact tcggg 265

<210> 8728
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 8728

tcaacatcag accacttcca tgggtgctgga actacttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcatga gtgaccatgg 240
 cagagagttt gaaaatagca ggtttactga attctgcaca tctgaagg 288

<210> 8729
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 8729

tgtgcaccaa tgcacactcc acgagactat ccgagtaaaa agtggagcct gggatgacaa 60
 tggcattttt atttacacaa cattaaatca tataaaatat tgcttcccca atggagatag 120
 tgggataatt aaaacattgg atgtcccaat ttatattaca aagggttggtg gaaacaccat 180
 cttctgcttg ggtcgggatg ggaaaaacaa agctataact gttgatgcaa cagaatatat 240
 ctttaagctt tccttggtga agaaaaaata tgatcatgta atgaaca 287

<210> 8730
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 8730

```

attttgacat atcattttaa taatagcact gtacatccat gaccataact ctaagctgaa   60
tgcagagcaa gaaaatccaa acataccttc aggtcactaa atgtttcagt tgctataaaa  120
cgaactgaaa tggggaagaa tgctgatggt tcggcttggt gaacaacaaa ttccattgac  180
ccactggcaa atatatttag tcaggcaaaa caagttcaaa aataccatga caataatact  240
gcacatgtta gctcttaaaa gcatcacact atcaccccaa atttagcata cctgcgggtt  300
gaattatcaa tcagaaggac agaccactcc aaaaaggaat tccttgagtc atacctgcaa  360
agccaaatta taggagatta ttaagagaga cagaccgaaa tgtgaaataa aatgatctca  420
aaatatatat gataaacgtc atcacatgat gattctggga gtggagggg                    469
  
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<210> 8731
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8731

```

ctcctataat gactatggca tcatttctgg cgctaaactg ctgggagttg gaggccatct   60
tctcaattaa atttctggct tcagcaggag tcatgtctcc aagggtcca ccaactggcag  120
catctatcat acttctctcc atattactga gtccttcata aaaatattgg agaagaagct  180
gttctgaaat ctgatggtga gggcaactgg cacatagttt cttaaategc tcccagtact  240
catacaggct ctctccactg agttgtctaa tacctgagat atctttcctg atggctgtgg  300
tcctggaagc agggaaaatt ctgtctaaga atactctctt aaggatcatc cagctcgtga  360
tggaccttgg agcaaggtaa tacaaccagt cctttgccac tccctctaataaat gaatgaggaa  420
aagccttcag aaatatgtga tcctcttgga catcntgggg gttca                    465
  
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<210> 8732
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 8732

tatgctgcaa acatttataa tagaccctct cagtagcaaa accaacaaca gcagaataat 60
tatgaccttt caagcaatag atacaatcca agttggagga atcatccaaa tctgagatgg 120
gcaagtcctc cacaacaaca acagcctatc cctcccttcc agaattgctgc tgctccaagc 180
aggccatata ttcctcctcc aatgcagcag cagcagcaac aacaacaaca aagacaacaa 240
gcagctgagg cccctcctca accttcagaa tatgcaattt cagcaagaga ca 292

<210> 8733

<211> 425

<212> DNA

<213> Glycine max

<400> 8733

gattgattcc tttcttgatt cgaaatacag tattatttgg aaagagtatg agcaggttct 60
agcaaaggag gaagttcatt ggtatacaaa atctaaggct aaatggcttc atttggggga 120
tcgcaacccc aagtcctttc atggtgtgac tattatccgt cgaaggagga ataggtatga 180
tatgattaaa gatggtgatg gtaattgggt ggtggattcc gagaagttgg aggagatggc 240
tactaagttc tataaggact tgtatacaaa ggatttcata tatcttcctt tgggtgacatc 300
tcatgcgttt ccaaaattaa gggatgaggc cagagaggag ttaaggagga ttccatcact 360
aagagaaatc tattatacca tcaaacaaat ggggagtctc aaggcttctt gccctgatgg 420
attct 425

<210> 8734

<211> 472

<212> DNA

<213> Glycine max

<400> 8734

gaaatcaaga gacacatata cattcttttt gaaattctga tactggggac agatgtcgta 60
caggatgtca cgacatcacg cttcagaaca tgcagatcgt atgtgtccgt atgaacagat 120
ttaaacaagt aaataacaca agagaattgt taaccagtt cggtgcaacc tcacctacat 180
ctggggggcta ccaagccagg gaggaatcc actaaaatag tgtagttca aggtctaaca 240
gccctgtttt acaaccttct cacctaacca ctaccgtgc gatctctacc taagagccac 300

tcttagatat gagaacctgc gctcactccc tctcaaccac actcccgtgt ttacaaatta 360
atcaaagaca caccagagat caactctgaa caaaagagat caactctaca cactagagat 420
caactctaca cactagagat caactctaca cacaagagat caactctaca ca 472

<210> 8735
<211> 288
<212> DNA
<213> Glycine max

<400> 8735

tgaaccggc atattcacag tttttgtctc gttatcaaag aattgaccaa gcagtggaca 60
tgaagcagag ttcaatgatt caatactaaa aacatttaac tcgaatgaca cgttgatgtc 120
cttggcgtat tggatcaaat tctctctagt gaaattgagc tcaacctcat cacaagtgga 180
gggtgacaca atggcagtga ccttgagtga aggtgccccca ctactcctca aggcaagctc 240
ttgcataaaa gatgaccact gtactccaaa cccaatatca aaatcaat 288

<210> 8736
<211> 419
<212> DNA
<213> Glycine max

<400> 8736

tcaccatggc cactacgaat tctgtgtgat gccattcggc ttgtgtaatg ctctatcgtc 60
cttccaagcc actatgaaca acatcttttg accataccta cacaagttca ttattgcctt 120
ctttgatgat atattgattt atagtaagac ctttccagag catattgatc acctcacaaa 180
agcttttgca gtttttctcg aaggaagctt cttcctcaag ctactaaat gtacctttgc 240
ccaacaacaa gtgtggggca tattgtatcc cgacagggca tagaacctgt tcccacaaa 300
gttgaggcaa ttcaggcatg gctagttccg cgtcaacgc ggggattatg gggtttctg 360
gactttcagt gttctatcag cacttcacca agggctatgc atccatcata gtcctttg 419

<210> 8737
<211> 431
<212> DNA
<213> Glycine max

<400> 8737

taactaagtt gttattatgt gccaacatth ttgtgtttca agcccattac aagacacact 60
agatcctatc cctattacag aacctataac ttgcaatcaa tgggccatta cttgcaatgt 120
taccaatctg attctgatat aataatgaag acttgaatag tgatgatgat tcttgatatca 180
ccccagcttt tacttggaag tcttcgaaag tcatttccac aagtgtttgc taccttttga 240
gtagtggctc attcccgaca aggcattat tagcttcatt gtagtgtggt tggcttttgt 300
ggatctgaga ccaaatttca tccacagttt tcttgcaaat tgggggaggg acagataatg 360
gttgggaaat agtgggtgggt tctgttgcta ctacactttt accctttgca gcttcatcaa 420
gggtgggttag t 431

<210> 8738
<211> 284
<212> DNA
<213> Glycine max
<400> 8738

tctatagaag ggtcggttct aatttctcta caattgcac acccttcaat gagctagtga 60
agaagaatgt ggcatttaac tggggtgaaa aacaagagca agcctttgct ttgcttaaag 120
aaaagcttac taaggcacct gttctagctc ttcctaactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgttttgtt gcaagggtggg caccctattg 240
cttatttttag tgaaaaactt catggtgcga cccttaacta cccc 284

<210> 8739
<211> 383
<212> DNA
<213> Glycine max
<400> 8739

tttctcgaga gctttcggtt ttcaatgtcg agaatctcga catattatgc cgctcgaagt 60
cgaacatccg tgtgaaaagt tatgaccgtt tgagtttctc gagagctttc gtcgttcaat 120
tccgagcatc tcgacatatt atgtgcccga atctgacctt cgtgtgaaaa gttatgacca 180
tttgaatttc tcgagagctt ccgatgttta atttcgagcg tctcagtata ttgctagcct 240
gaatcggagc tcagtgtgaa aaggtatgac cattttgatt tctcgagagc ttccttgggt 300
caattccgag cgtctctaca tattatgtgc ccgaatctga ccttcgtgtg aaaagtaatg 360

accatttgaa tttctcgaga gct

383

<210> 8740

<211> 447

<212> DNA

<213> Glycine max

<400> 8740

tctgtggctg tcttactggt ttagcccat cctctaaatt tatccgatgc atacatgtgg 60

atgggctaata accaggaatg ttcgctaggg tccagcctat agccttcttg tgcttcttga 120

gaactgataa tagcttctcc tcttgctcat cagcaaggga ggtagatgta attactggaa 180

aacttttgct atcatccaag taagcatatt ttaaatttga tggcagaggc ttcaattctg 240

gtgtgggagg ctggataatg gtagaaagag atgggttctc agcctgtacc tcaaaaataa 300

agtcagagggt atgtgtatct cctgaaacat ggtagttct atctgactct agaaaatcaa 360

tctcaagagg taaaacatca ccagacatgt aatcaatct aatttcagat tcaactctcag 420

catccaattc atccatatga tcaacta 447

<210> 8741

<211> 293

<212> DNA

<213> Glycine max

<400> 8741

ttgaatgctc tattcaatgg agttgactag aatatcttga gactgaccaa cacttgcaca 60

gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120

atgtccagat tgcaactgtt ggccacaaaa ttctaaaatc tgaagatgaa ggaggaagaa 180

tgcattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaagatga cagatgaaaa gctggtgaga aagatcctca gatccttgcc taa 293

<210> 8742

<211> 286

<212> DNA

<213> Glycine max

<400> 8742

tcgattcagg cgcataatat atcagggtc tcgaaattga gcaacggaag ctctcgagaa 60

atttaaattgg tcatagcttt tcaactcagat gtccgattca tgtgcataat atatcgagac 120
gctcgaaatt caacaatgga agctctggag caattcaaatt ggtcgtaact tttcactcgg 180
agatccgatt caggcgcata atatatcgag acgctcgaaa ttcattcaacg gaagctctcg 240
agaaattcaa atggccataa cttttaactc ggaggtgcga ttcacg 286

<210> 8743
<211> 428
<212> DNA
<213> Glycine max

<400> 8743

agaggttttag aaatattaaa aaaagagaca acatcatttt tatttaaaaa ccaatgttat 60
ctacacattt gacaacatca gttttcaaaa accaatgtac tagcaacatc ttaaaaaactg 120
atgttaagtt tctgctagta acatcagttt tttgaaaatt gatgttagga agttccattt 180
aattacaaaa atgccaccac aaataatttc acattagttt ttcttgtaac caatattaaa 240
ttggtgatgt tgattgcata tttttagttt gtgatatcat gtatcataac tgaaaacaag 300
tgctcaaagc taagaaacaa ctgatttggg aggacattat ggtatttcca ctaaacaatc 360
tacgttatag taattcaatg tatttagctt gcattatggt ttcattcact aactgttaca 420
taccattt 428

<210> 8744
<211> 369
<212> DNA
<213> Glycine max

<400> 8744

gctcaccccc atgccaaaat acatgaaaat acataaaaag tctctactca aagactactc 60
aaaatgccct taaatacaag tctaaaatcg tatactacta gaatgaccaa aatacaagac 120
ccaaaagaac gaaaaaccta ttctaatttt tacaagaag agtggaccca accttggccc 180
atgggctcag aaattttacc tgaggtccat gagaacccta tgaccttctt tagcagctct 240
agcccaatct tcttgagtc ttctatccaa tacccttggt ggtaggattg cacttgatga 300
cccttctctc ttctctaact aaattctcaa atggcggtgt tgggttggtt agttttcccc 360
cctcggacc 369

<210> 8745
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 8745

tgaaggataa cttgatgcct tggtaaacct agtaactcag cttgccatga atcagaaatc 60
 tacacctgtt gcaagagttt gtggtctatg ttcttctgcg gatcaccata cagatctttg 120
 tccttctttg cagcaatctg gagtcaataa gcaacctgaa gcttatgttg caaacattta 180
 taatagacct cctcagcagc aaaaccaaca atagcagaat aattatgacc tttcaagcaa 240
 caaatacaat ccaggttgga ggaatcatcc aaatctgaga tggacaagtc ctccacaaca 300
 acaacagtct gtccctcctt tctagaatgt tgttggtcca agcaagccat atgttcctcc 360
 tccaatgcag caacaacagc agcagtcaca acaagacaa ccagcaactg 410

<210> 8746
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 8746

aatccatctt gggccttttt cccacaactc tcataaatgg gagagaatgt tcctctaaag 60
 catacaagtc cctaataatta tcaaataccta aaatttgagc tcctagggag taaaacaatg 120
 tgtgtctcct agagagggca tcagctacca catttggttc tccctttttg tatttgataa 180
 catatggaaa ttgctctagg tactctaccc attttgcatg cctcttggtt aacttgcttt 240
 gccctctaata gtacttaagt gattgatgat cactatgaat gacaaattcc ttggaaacaa 300
 ggtaatgttc ccaagtttgg agggctctta ttaaggcata aagctcttta tcataagtgg 360
 ggtag 365

<210> 8747
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8747

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ctaagttttc atttccattg tttaaacgaa acacttgcaa ccaaaaaacat gaagatgcga 120
gatgtttggg ttcctatcaa tgaacagttc atatggagtt ttcttttaaaa tgggtcttat 180
taaagcccta ttcattgatat agcatgtagt attaacggat ttagcccaaa aatatttttg 240
aagaggagta tcatttaata aggttctagc aatttcttcc aaagacctat ttttcctttc 300
aacaactcta ttttggtgag gggttctagg tgcagaaaag ttatgttcaa tgccatgctt 360
atcaccaaat aaatcaaatt ctttattttc aaactcaccc 400

<210> 8748

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8748

agcttctca accacctcat tagaatttaa nncctgaaga atatgtctgt ctttaatgaa 60
agctgtttgt ctttcatcaa ttaagcaggt ataacctgtc tcaacctgct tgctagaagc 120
ttagctatca ctttgtacat gcagcctatc aaggatattg gtctataatc atttagggac 180
tgaggatggg taactttggg gataagagcc aagaaagagg cattgctgcc tctagggaaa 240
caaccgttga catggaactc atccacaaat cttctgaact ctgggttttag cacactccag 300
aattccttaa taaaattgaa attaaaaccg tccggcccag ggcaattatc tccaccacaa 360
ctccacactg cttccttaag ctctgtgtct gagaaagggt 399

<210> 8749

<211> 245

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8749

gctgcagcga aggcaagaaa gttcantnct tcaactcgat gccggataca agcgcataat 60
atatcaagac gctcgaaatg aataatggaa gctctcgagc agttccaatg gtcttaacat 120
ttaactcaga gggccgattg aagcacatag tatattgaga ctctccacaa tgagcagcgg 180
aggctctcaa ggaaaggaaa taggcataac atgtaactcg gaggtcgaat tgagacgcat 240
aatat 245

<210> 8750
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 8750

tcaacattca aattcgagcg tctcggtata ttatatgact cagtcagaca ttcgagaaaa 60
 aagttattga cgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtgtcgctat 120
 attacgggac tatatcagac atccgagtaa aaagttattg tcgtttgaat ttgtcagag 180
 cttcaacatt caatttcgag cgtgtcgata tattacggga ctcaatcaga catccgagta 240
 aaatgttatt gtcgtttgaa tttgtcaga gcttcaacat tcaagttcga gcgtctcggt 300
 atattatacg actcaattag acatccgagt aaaaagttat tgtcatttga atttgctctg 360
 agcttcaaca ttcaatttcg agcgtgtcga tatattacgg gactcaa 407

<210> 8751
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8751

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 atatcgagac gctcgaaatg aatgttgaag ctctgagcca attcacacga caataacttt 120
 ttactcggat gattgattga gtcccgtaat ataacaagac gctcaaaatt gaatgttgaa 180
 gctatgagcc aattcaaag acaataactt tttactcgga tgtctgattg agtcccgaaa 240
 tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattcaaac gacaataact 300
 ttttactcgg atgtctgatt gagtcccgta atatatcgag acgctcgaaa ttgaatgttg 360
 aagcttttag caaattcaaa cgacaa 386

<210> 8752
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 8752

tgaatcggac atccgtgtga aaatttatga ctcatTTTTt tttctcaaga gcttccgttg 60
 ttcaatttcg agcttctcga tatgtgattt gcttgaatcg gacatacgtg tgaaaagtta 120
 taccaattga atttctaaag agcttccggtt gttcaatttt gagcgtttcg atatgttatt 180
 tgccctgaatt cgacattcgt gtgaaaagct attaccattg gaatttttct agagctgccg 240
 ttgggtttatt tcgagcctct ctatatatta tgcgaccgaa ttggatcttc gtgtgaatag 300
 atctgggtctt tagaattttg tgagagtttc ctttgttta 339

<210> 8753
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8753

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgatnttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttcatgcc atattttgac ttcattcttct ttggagaata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattaggact tcactcttct catttgtcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttc gcagtcagtc 360
 ccttcaccag cagtactatg ttcagactag gaagtcacac atggac 406

<210> 8754
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 8754

tcaagaataa tggcctcagc aaacttctta ttcccataag gaaattcaat aaataggctt 60
 cctattttta atagagaggg ttaccactat tggaaaatcc aaatgcaaat cttcattgag 120
 gcaatagact taaacatttg ggaagccata gaagtaggac cttatgtacc caccatgggtg 180
 gctggaaatg caacaataga aaaacctaga gaagagtggga ctgaagatga aagaagatta 240
 gtgcagtaca atttaaaggc taaaaacac attacttctg ccctaggaat ggatgaatat 300
 tttagggttt caaattgtaa gagtgtctag gatatgtagg acactctaca agttacacat 360

gagggaaaaa ctgatgtaaa acgatctagg ataaatac

398

<210> 8755

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8755

tgtagggtta aagtctcatg attgtcacgt gctcattcta caatagttag ccgnggctat 60

acgagacatc ttgccaaaca aagtcagggt agccataact cgctgtgct ttttcttaca 120

tgctatatgt tgcaaagtca ttgatcctgt caagtatgat gagctggaaa atgaggccgc 180

aattatattg tgccagtagg agatgtatct tccccctgct ttctttgaca tcatgaatca 240

cttgattgtg catttggtca gagaaatcaa atgctgttgt actgattatc tacggtggat 300

gtacctggta gagcgataca tgaagatctt taaagggtat actgagaatc tatatcatcc 360

agaagcatct attattga 378

<210> 8756

<211> 415

<212> DNA

<213> Glycine max

<400> 8756

taagggtctt gcaacattct ccatggacag ccaaactcat gatcattgaa ttccaagagc 60

acaagtttct caagctgcc aatctcattga acaccttcca agcaacatca atcttaccac 120

atcttgcata catctccaac acagcattgc tcacatataa attcttaaag aaccattct 180

tccttgcgta tgcttcaacc ctctgccaa tctccagtgc tccaagattt gcaaaagctg 240

gaaaaatgct tgccaagggt actgcattgg gcatcatccc tttctcctgc tccatcctca 300

ggaacaaccc caaagcctcc ccgtactttt tgctccgcga gtaacctgat atcatggtgg 360

tccatgacac cacattccta gaaggcatca atctaaacaa ttccaaagct acatc 415

<210> 8757

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 8757

tgaaggaaaa cttgttgtct tgggtcaacct agtaactcag cttgccatga atcagaaatc 60
tacacctgtt gcaagagtct atgggtctatg ttcttctgca gatcaccata tagatctttg 120
tccttctttg cagcaatcta gagtcaatga gcaacctgaa gcttatgctg caaacattta 180
taatagacct cctcagcagc aaaaccaaca atagcagaat aattatgacc ctntcagcaa 240
tagatacaat ccaggttgga ggaatcatcc aaatctgaga tggacaagtc ctccacaaca 300
acaacaacct gtccctcctt tccagaatgt tgctgggtcca agcaagccat atgttcctcc 360
tccaatacag cagtagcaac aatagcaaca acaaa 395

<210> 8758
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8758

agcttcaaga ttatggcctn atcatctatc ttgtttcccg agggaaattc tataaataga 60
cctcccattt ttaatgagtg ggttaccact actggaaaac ccgcatgcaa atctttatag 120
aggcaataga tttaaatatt tgggaagcca tagaacaagg accttatgtt ccctctatag 180
tggctggaag tgcaacaata gaaaaaccta gagcagattg gactgaggaa gaaagaagat 240
tagtacaata tattttaaagg ccaaaaatat tattacatct gccttaggaa tagatgaata 300
ctttagggtt tcaaattgta aaagtgctaa ggatatatgg gatacactac aagtaacaca 360
tgaaggcaca acagatgtta aaagatctag gat 393

<210> 8759
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8759

agcttgtagg ctacattaca accattcttg gctttgaaca ccatgaggaa attcacacaa 60
aaaactgaat tagagacatg agttacaaga tttgctacca ctttcttaac tttgcaaaga 120
ttgcataagc aaaaggccaa tcttanaagg atgtttaatt cagatgaatg gttgaagtct 180

aaggcagcta aagagcccaa ggggaagcaa gcaacagatg ttgttcttat gccatcattt 240
 tggaatgatg ttgtttatgc tttaaaggct atggggcctc ttgtaagtgt gttgagggtg 300
 gtggataatg aacaaaaacc tacaatgggt ttcgtttatg aagcattgga tagggccaaa 360
 gaagcaattc 370

<210> 8760
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8760

agcttcttat tttcagatga tcaaattttt ttgtactacc tcatgcactt tcctctaatt 60
 gactatgggc attcattttc ttggcgctta aactgctgag aggtgggagg cccatctttc 120
 tcaaataaaa tttctggctt cagcangagt catgtctcca agggctccac cactggcagc 180
 atctatcata cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg 240
 ttctgaaatc tgatggtggg ggcaactggc acatagtttc ttaaactctc cccagtactc 300
 atacaggctc tctccactga gttgtctaata acctgagata tccttcctga tggctgtggt 360
 cctggaagca gggaaatttt tttctaagaa tactctctta aggtcatccc agc 413

<210> 8761
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 8761

tggagtttcc aagtgccaat tcatcttctt ctttagtcca gtcttcttct ggcttcaatt 60
 catcagtggg ctttccttct gtgtccagca tcttgggatg ttcccagcct ttgatgacag 120
 ctttcagggt tctgctatcc agtgatttga ggaaggccac catccttgct ttccagtatt 180
 catagttggt tccatctagg attggtggtc tgttactggg tcctccttct ttctccatgt 240
 tcatcagaat ttatctccct agatctcact ctgtgatttc gagtgttagc tctgatacca 300
 attgaaattc tgataccagg ggacagatgt cgtaccggat gtcacgacat cagcgttcag 360
 aacatgcaga ttagatgcgt ccgtatgaac agattaaaca ag 402

<210> 8762
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8762

gctttgtgac cttctctatt aagatatata tttcttatca tattctgcaa atcctcatca 60
 gaggacacag aaaccaaagc atcaagatct tccccaggaa gctgatactt gattgcatga 120
 acctgattat atatttgtaa tgctttctgc atgagctcct gccaaagatat gtcctttctt 180
 attcgaagaa tgcgtgtttg gcctccaaca taccttagct ttccatcaca tggctgtggc 240
 aatattctac caccaaagct gcaaagaaac ttcatcatca ttgatctatc ataaactcca 300
 aaagagccat agccaggcac anattgtcta ttgtcctgat tcaatgaagt tcttggcatt 360
 gatcgaatcg acccatagtt gcttctgtct ncaggtaatg atgtattcat tcta 414

<210> 8763
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 8763

agcttgcaaa gccctgatgg attgtattat ctataagagc ttggtatgaa agactaagtt 60
 tattcttact ctagatagta ctctagagaa atagtggaca cttcactatt cagaaaggct 120
 tagaaaaagg atctgctgat tatacatata tatgtgaatg acatcatttt ttatgtaacc 180
 tctgaaagga tgagcaagga gttttctgag ctaatgaaaa gagaatgtaa aatgagcttg 240
 atgggtaagt tgaagttctt tataggactt caaatcatto aaaaagatta tgggaattttc 300
 atgcataaag agaaatacat caaggaccta ttgaaaaggc tcataatgga tgaagcgaca 360
 caaatggcta ccggtgcac cttccactat cat 393

<210> 8764
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8764

agcttgntgt ttttagctng acacttttta ttactatatt ttattttcta tatttttctt 60
ccatcttatt ctttcttgct cgctctcttt ttgtctcttt tttccatga gatattttgc 120
tacctaaaca tacgtatatt tttgtgaggt attttgctat atacatgcgt gtccaaggta 180
tcttgctacc taaacataca tatatatgtt ttgtgagata tttttgctat atacatgcat 240
atccaaggta tcttgctacc taaacataca tatatatatt ttgtgaagta tttttcctac 300
atacatgcat atccaaggta tctttctacc taaacataca tatatatatt gtgaggatg 360
actaccttcc gagctt 376

<210> 8765

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8765

agcttagctc agacactgct taattttttt ggattcagac actgttgact gaactcaaag 60
ttcccccttct gcaactcccat gtcttctgtg ataactacag tgcagttgtc attgcccaca 120
accagttct tcatgcaaga acaaagcata tgaaaattga tgtttttttt gttcgggaga 180
aggttttgac caagcagctc attgttcac atgttctctgc tcttgatgaa tggcagatgc 240
actaccaag ccaactctatc caccaagatt tattttttcca agagccaaac tcaatgtgct 300
tgaggcttca tcaaagtctc aaccaccttg agtttgaggg ggggtattan agcattgtca 360
gagcggtgca gcttaactac actctt 386

<210> 8766

<211> 402

<212> DNA

<213> Glycine max

<400> 8766

ttatgatact gatgaaattc ggtcttatgg ttacaaaaa tcatagttgt tgttaggcgg 60
ttatcgttat caaaattcta gaatgctttg taaagatggt catcagggtcc aagtctgtgc 120
ctatgcattg tagtcgaaat gaattcaaga tagtcaattg acccatttcc gtcaacatca 180
gcctgaggaa aaaatataca tgtcttgcaa attgaaacaa ttaggaacaa agcaaaaatg 240
catgacaaca aaaaaaagta taaagatata ggaaatatca tagtttaatc acaacattaa 300

aaaaggcttt agctagagcc tacataataa taattataat aataataata ataacaacga 360
 agcatacatg cattacaaca aaacaaaatt aagaaataat aa 402

<210> 8767
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 8767

cgtaatctct ataaggctc aaacaatctc caaggcgtgg tttgacaggc taacaatagt 60
 tgtcaagcaa gatggttttg ctcaatgcc aacaaacct actatgtttg ttaagcattc 120
 tctggatgga aagatagctt tgtttattgt ttatgtagat gatatacataa ttctaggaga 180
 cgattatgat caaataaatc atctgaagaa tcttctagcc gaggaatttg aagtcaagga 240
 tctatgccag ctcaagtatt ttctagggat ggaaattgct cggataaaga atgggtatttt 300
 tgtttctcaa agaaagtaca ctctagattt acttcaagaa acgggggatgc ttgggatgc 358

<210> 8768
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8768

tatgggaagg cccatttgcc tgagaaagct gtggacttgt ttcacagaat gtgggggtgag 60
 tntcagtgc aacaaaccgt gaaatcattc aattctgttc tcaatgtgat tgttcaagag 120
 ggtcttttca atcgtgcatt ggagttttac aatcatgttg ttgcatccaa gagtttgaac 180
 attcacccta atgcactcac ttttaatttg gtcattaagg ccatgtgtac gcttggtttg 240
 gttgataaag caattgaggt ttttagagag attccactca cgaattgtgc tccggataat 300
 tatacctatt cgacattgat gcatgggttg tg 332

<210> 8769
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 8769

tttctctaac tactcatggt ataaaaataag ttccaataaa tctgtaaatc acctgttcca 60
aatatatcat tggaaccggt gctttaatta acaaggaaat ccaagtttga caaaagtcgt 120
ttcaaataata tttaataaca gaaaaatcat aaactatata aatattatac gcggtgaatat 180
catattataa taactatcat attgtacgaa taaaaaacat ggtaggttgt tgaaaaaaca 240
aacatcagat acatatttaa atattttcta tcaatatcaa tcacgagaca aatctcatcc 300
gttaaacata tcatataaaa tacttaacca cacattgaac aattatgttt atatacatca 360

<210> 8770
<211> 443
<212> DNA
<213> Glycine max

<400> 8770

acactataaa actcagcttt tatccaggca attcttggtg gtgaagctcc ttcttccttg 60
gcttattccc tagtggatgg tgccctccct atcctcttct cctttgcctt tcgctgcac 120
tccatggtga aaaatcacca ttgaaggacc tcattgaagc tcaaagatcc agcctccata 180
gaagctccac aagcaagctt ccatcaagtt atgctcgaga tcttccgtgg ttcaatttcg 240
ggcgtctcca tatgtgatgt gcttgaatcg gacctcgtg tgaaaagata tgaccatttg 300
aatttctcga gatcttccgt ggttcaattt cgggcgcctc catatgtgat gtgcttgaat 360
cggacatctg agtgaaaagt aatgacaatc tcaattactc gagagcttct gtggttcaat 420
cttcaagcgc tcgatatatt atg 443

<210> 8771
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8771

acattcacca caaattctgc cttcttctat ttccagattg ggaatgcctc taacagcacc 60
tttgtcaatg attttcttca tgccctctta gtgcagatgt ccaaattctt gatgccatat 120
tctgacttca tcttctctgg agaatagaca tgtggaggag taactggttt cttgaggtgt 180
ccataggtaa cagttgtcct ttgatctgct gcccttcatt aggacttcac tcttctcatt 240
cgtcaccaag cattctgacc ttgtgaagct tacattgaat ccttcatcac acagntgact 300

gatgctgata aagtttgcag tcagtcctt caccagcagt actt 344

<210> 8772

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8772

tgttggttctc gctaagtcta tgcctcgcgc taagtgcttg agacgtgcta agcacgcccc 60

ttcatcaaat ttccaatgtg ctcttttggg ctttacttta ctcatataac atcataaatt 120

catcaacttt taatatttta gacacaaaaa cttaaagat gttaaaataa tagttatttg 180

cacaaaaagg aagaaatatg agaaaaaaa ttaccaatat ctatataatt taatcacaga 240

acatacctat aaatagtcgt tacagttaca agtattaaat taattgttta taccaatata 300

tttttatgta taaagtatcc ttaacagata cataaactta ttatatacct caatcaatat 360

catataatac aaaggtacaa ataagaaaat cctaacatat gtacaanaaa gggatgaaaa 420

attaaattt 429

<210> 8773

<211> 324

<212> DNA

<213> Glycine max

<400> 8773

tataatttaa tttaagacaa aaactaatta catgctattt gttaagtatt ttgtggattg 60

tcgtgagtac caattttctc ttgtaataaa attcagtata acttaacaaa aagaaactgt 120

cattttaatt ataaaaacaa taagaaaaat attaccataa ttttaaaagt cccgtcattt 180

aaatttacta acatacaaag tagcatggga ataacaattt ttcgttacta tattttattag 240

taattttattg attcttaata atcttaaaaag aactttattt ggatttttag attattttat 300

actttatggt aaataagaaa aata 324

<210> 8774

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 8774

ntgtcgattg tgagagagtc tgagaatcca cttccgaatc caaacccctaa actacaacag 60
ccccagggtt tgcaagtcag cataaaaaatg gaaggataaa tcataaatgg aaacaaaaaa 120
tagtttacat ggaaacataa agtataaatc aaatatgcaa ataacaaaat acatgttaag 180
taaacactat tagaaaatac actttcaaca tcggttattt agaacattct acattgggtc 240
taaaattgat gttgaaagtg acgatgttga atgtatgaat gttaacatcg gttttggaga 300
accgatgtta acatacatat gacaacatcg gttccctaaa taaccgatgt taaacacaat 360
gaacaacagc aaanaaagtg tacgaatgat gaacggtgac atcagttttc cactaaanac 420
cgatgtaata tgttagttaa acat 444

<210> 8775
<211> 354
<212> DNA
<213> Glycine max

<400> 8775
ttgggttagag ctcgagagaag gcctcacctt agcaccataa gtggtacaac aaaccactga 60
gaaagttaag ttaattcagg aaaggatgag agctgctcag agtaggcaga aaagttatca 120
tgataagagg aggaaagatt tggaattcga ggttggtgat cacgtattct tgagagtcac 180
tccatggact ggggttggtcg agcattgaaa tcccgaaaac tcacatctcg ctttattggt 240
cctttccaaa ttcttaaaaa agttggccct gtggcataacc aaattgcact acccccgtct 300
tttttaatct tcacaatgtc tttctgtgtc tcaacttcgt aagtatattc atga 354

<210> 8776
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8776

cgtgggagtt tgtgatagtg attntgccac agatgttgat gatagaaaaa gtactaccgg 60
atttgatttt tttatgggtg atttgttttt tacatggagt tctaagaagc aaggcattgt 120
gacactttct acttgtgaag ccgagtatgt agctacaact tcttgacat gtcatgccat 180

ttggctaaga agattgttgg aggaacttct gttgttgcaa aaggaaagca caaagatcta 240
 tgttgataat agatctgtac aagagcatgc ctagaatccg gtgttccatg aacaaagtaa 300
 gcatatagat acaaggtatc atttcattag agagtgcatt accaagaaaag aagtagaatt 360
 gactcatgtg aaaactcaag atcaagttac ggatattttc a 401

<210> 8777
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 8777

taagtgcctt cttggcaggg aaatagaaaa aacgaaaaga gaacaacaac tacatcatca 60
 ttctttaaaa ttaaaccctg gttgtttata gagctgctct tgcaaaggcc tcacatgatt 120
 gtggtaaaca tgtgcatccc caataacatg gataagatca cttggaatga gatctgacaa 180
 gaaaaacaca tagtataaaa attgattatt ttatgtttta attgttttta atgatgtatt 240
 ttctctagtc atattatcaa aatcaacaca cttttgaacc ctgaatctac ctagactaga 300
 acttaaatta aaaacttatt cataaacttc tgaaaacaac tctacccaaa aatctataaa 360
 aataattg 368

<210> 8778
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8778

ggaagggtgtg taccacacca tttnttcata gtaaaacact ggtaatgtgt ctactattat 60
 tgtgatcatc tccttctccg tcattggagg taacacttga gctgccaggt ctctccacct 120
 ttgggtgtat tctttgaaag atttgtgcc ttttttacct atgttttata gttgcatcct 180
 atccggagcc atatgagaat tgtattgata ctgcctaaca aaggcaacca ttaggttctt 240
 ccaagaatgg aatcggaag gttccaagtt agtgtaccag gtgacagcta cccagtaag 300
 actttcttgg aagaaatgta tcagtagttt ctcatnttt gcatatgctt ccgacaatac 360
 atcttttagat gggtcttggg gcaagtagtc ctcttgact tgtcaaagtc tggcaccttg 420
 aacttgggag gggtgacgat attgcgtact a 451

<210> 8779
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8779

tgtatggntg ctggctagct tgatatactc ggcatatcac acggccattg actatataact 60
 cccactcagc tcgtgggttc acaatcgtgc actgcatttg accagaacca tatgatgtgc 120
 gacttggcga acccgtgatc cattgacagc gatgctagtt tctcaccata gatggactta 180
 ttaccttac aaacataga ctttgtatca cctgcagcaa agttttctgg ctgcatcata 240
 taaatagttt cttctgtgtc gccagataga cattgacgtt taagattcat ttgatgtaac 300
 tatacaatat aatgagcta 319

<210> 8780
 <211> 243
 <212> DNA
 <213> Glycine max

<400> 8780

atccactgtt aacagcgatg ccctacgctt tggttatggc atcatcacct cagaatttcc 60
 catcattgaa tttgaaagtg aagttgttga cgtgtatcct ttgcatggac ctatccactt 120
 agagtgcacg tacttgtgct tcctccatgg tcccatgtgc attttgtttt ccttcatgca 180
 cctttatgct tccatgcaca acaccttgat gatgttgctt aatctctcta ttgtcccccac 240
 ata 243

<210> 8781
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 8781

tgcaaaaacc acccagcaca caggacacga cagtgttaagt gaaacacaaa ggaagcgtaa 60
 aactggaagg cgtagtaa ataaagaaaa acaagatagg ggcaaaattg tcattaaaat 120
 tttatgaaaa ccgaagcttg cattaaatat ttttttaatt cggattatta ttataaaatt 180

taatgcatat ttaattcacg ttgttataaa ataaataata tttattttaat attatttaa 240
 tttttaatac aaataaaatg ttgtcataaa aaatattttt tattttttaa aaaatatata 300
 gattacataa gtaaataattt attattcaaa ttacatgcg cattaaatat gtattagaaa 360
 tgtagtgat aattatgtat aataataatt tatgtatact aatattattt attttataat 420
 ataattgatt cattagttta g 441

<210> 8782
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8782

tcttctagac tcattttctc cttgaagtgg cgtctccaat catctttctt ccttctccat 60
 tctgctgcca tgatcttcaa gaagcaaaag acttcattga tgaagaagat ccatgaccta 120
 caagctccac atggagctac atcatttttc cccctttcta taaaggtttt gtctaattgc 180
 acttggtacc tggaagaagt tacatttgga ttgtaggatt cttttggcat gttcaaaagg 240
 ggaaaaaaat tattttgatt ntgatgtttc tagtgagttc tatggtaatg gagccctaaa 300
 tcttatcttt gtggcgaggg ggtggagctg gattgttgaa ta 342

<210> 8783
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8783

tccccgactt caccocaaag gtgcatttgg ttgggtttac ttttaattgg tatttccgca 60
 accttcaaaa cagcttacgc agattgacaa ggtgttcagc ctcaatccga gacttggcaa 120
 tcatgtcatc tacgtagacc tctatttcca tttttcccaa cacacactta tgggtcacac 180
 aaaagtttct tcatatacac tcgttactca cacacacaag aattcctttc cacgcatcat 240
 ttacacacat aaaaaccttc tatacacatt ttccctttac atacatgtat aaataaaaaac 300
 ctttttcttt tctttatgaa catgactttt attcacaacg cttctttctt tttattagga 360
 tttttggttc attntatttt taggacgacg ttccctaaatg aaaaactcta cacgggtccg 420

gaatttcaac aaacactatt gacaacaatg

450

<210> 8784

<211> 355

<212> DNA

<213> Glycine max

<400> 8784

tcacgcttag ttggagtctg caaagcccca atcattcaac actttgctga aacaatttct 60

ggtactacaa ctattagaag ctttgatcag cagtcaagat ttcaggaaac aaatatgaaa 120

ctgactgatg gatattctcg gccaatgttc aatattgctg gtgccgtgga atggttgtgt 180

ttccgtttgg atatgttgtc ttctatcaca ttgacctttt ccttaatat cttaatatct 240

attccacagg gattcataga tccagggtgag ttattcctat ctgttacaaa tcaaaattta 300

attcttttat ggtatatgga attaaacata ataagttctc ttttataact ttttt 355

<210> 8785

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8785

ntatgaacat atcagcagga ttgtgtagag tgctaactctt atgaactctg attcttcttt 60

ctaaccgaat gaagtgatat ctaacatcta tatgcttggt tctatcatga tgaacttgat 120

ccttggccaa gcatatagca ctaaggctgt cacagtagat gttagcatat tcttgattaa 180

ttccgagatc atttatcaga cctctaagcc aaattccttc ctttgcagct ttagtaagag 240

ccatatattt agcctcagta gttgagagag caaccgaagg ttgaagtgtt accttccaac 300

tcaccaagca gccaccaagg gtgtaagcat acctt 335

<210> 8786

<211> 359

<212> DNA

<213> Glycine max

<400> 8786

tgtatacccc atgttgcatt tgcttacaat agagttgctc atagcaccac taattgttct 60

cctttcgaac tcggttatcg ctttaaccca ctaactactc ttgatcattt gactatgcct 120

aatgtttctg tttttaagct taaagaatgt caagcaaagg cggactatgt taaaaaactc 180
 tatgagagag tcacagatca aattgatacg aataataaaa gctatgctac actagccacc 240
 agaggggagaa agaaagttga ctttgaaccc agacattgag attgggtgca catgagaaaa 300
 gaaaggttct cttaacaaac gaaattaaag cttctaccaa ggggagatgg accatttta 359

<210> 8787
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 8787

taacaaaagg catgcgaagt ggggtgaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaagggga aaaggtaata ttgtagccga tgctctttct cggcgatcatg cattactttc 120
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaatcttaa aaaatggtga aaa 213

<210> 8788
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 8788

gactcaatcg gacatccgag taaaaagtta ttgttggttg aatttggttca gagcttcaac 60
 attcaatttc gagattttcg atatattacg ggactcaatc agacatccga gtaaaaagtt 120
 attctcgttt gaatttgctc agggcttcgg tattcaattt cgagcgtctc gatatattac 180
 gggactcgat cagacatccg agtaaaaaat tattgtcggg tgaatttgct caaagcttca 240
 acattcaatt tcaagcgggt cgatatatta cgggactcat tcggacattc gagtaaaaag 300
 ctattgttgt ttgaatttgg tcagagcttt ggtattccat ttcgag 346

<210> 8789
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 8789

catgcactcc tetaatgaca atagcatcat gtttggcact aaattgctag gagttggaag 60

ccatcttctc aattaaattc ctggcttcaa caaggggtcat gtctccaagg gctccaccac 120
tagcaacatc tatcatgctt ctctccatgt tactgagtcc ttcataaaaa tattggagaa 180
gaaactgctc caaaatctgg tggtaggggc aactggcaca taatttttta aatctctccc 240
aatattcata taggctctct ccactgagtt tctaagtct tgacatatcc tttttgatgg 300
tcgcgggtcct ggaagcaggg aaaacatttt ctaagaatac tctct 345

<210> 8790
<211> 363
<212> DNA
<213> Glycine max

<400> 8790

caactttgcc aagagccagc tgggagcaat tgggtcaatct gatcagtgga tcagatctgc 60
tgctgatctc ctaaattgtg gtcccctgca gcttcctttc tgctacctag ggctgcctat 120
aggtgtcaat ccgagaagga agatggtgtg ggaacctatc atcaacaaat ttgaggctag 180
actgaacaaa tggaggcaga gaagcatatc catggctggg agaatcacc taattaatgc 240
tgtcctaaca gctctgccat tgttttacat gtcttttttc aggactcctt caacagtgat 300
caacaaactc atctccattc aaagaaaagt tctttggggg gataatcaag aaaggaggaa 360
gat 363

<210> 8791
<211> 448
<212> DNA
<213> Glycine max

<400> 8791

aatctcagct tcacatcaga ccacttcag ggtgctggaa ctacttcaca tggacttgat 60
ggggcctatg caagttgaaa gccttggagg aaagaggat gcctatgttg ttgtggatga 120
tttctccaga tttaacctgtg tcaactttat cagagagaaa tcagacacct ttgaagtatt 180
caaggagttg agtctaacac ttcaaagaga aaaagactgt gtcatacaaga gaatcacgag 240
tgaccatggc agagatgttg aaaacagcaa gtttactgaa ttctgcacat ctgaaggcat 300
cactcatgag ttctctgcag ccatcacacc acaacaaaat ggcatatttg aaaggaataa 360
caggactttg caagaagctg ctaggggtcat gctccatgcc aaagaactct cctataatct 420

ttgggctgaa gccatgaaca cagcatgc

448

<210> 8792

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8792

ntacaacaaa tgccactnta ctccaagttt taaaaggata tgttaacaag gacacacaag 60

tatattcacc aggaaaacat tgttgtggaa ggaaattgta gtgttgtgat tcaaaagatc 120

cttccaccca agcataaaga ccctgtgagt gtaaccattc cttgttcaat tggagaagtc 180

actatggaaa ggcacttatt gatctgggag ctagtattac cataatgcca ctctccatgt 240

gcagaagggtt gggagagttg gagatcatgc ccactaggat gactntacaa cttgttgacc 300

gctctattac cagaccatat ggagtaactg aagatgtgct ggtcagagta aaatatttta 360

tcttcctggc agactttgtg gtaatggata tctgtgaaga taatgacatt catgtaatat 420

tgggaaggcc attcatgtta actgcaagct gcat 454

<210> 8793

<211> 347

<212> DNA

<213> Glycine max

<400> 8793

cactggctga catgttctca attagctcag ttgcttcttt cggggctcttc aattttatct 60

ttccccctgc agaagcatct aacagttgct tggtttgtgg tctcagccca tctataaaca 120

tattcaattg gattggctcg gaaaacccat gagtaggagt tcttctcaac aagcctctga 180

atctctccaa tgcttcactc agagattcat caggaaactg atgaaatgaa gagattgcag 240

ctttcccttc tgcagtcttg gactctggaa agtatttctt taggaacttt tcaacaactt 300

cttcccaggt ttttagacta ttgcccttga atgagtggag ccacccc 347

<210> 8794

<211> 340

<212> DNA

<213> Glycine max

<400> 8794

aagtggcctc atatatctta agaaggaggg gttgaattac aaactatttc cccaattaaa 60
aattctactt tgattttaat gcaagttcca atttccctta aaaatgaatt tctaaatgat 120
gattcaaatt aaacaatctg aatgtaaag ttaagcaaca ataaataata tagtttaagg 180
gaagagaaag tgcaaacaca gttttttatac tggttcgaca aagtccgttg actatgtcca 240
gtccccaaga aaccgcgttg ggagtttcac tatctcaca atcctttaca ccttctaaaa 300
cacacaagga aaacccttcc tttatgttca aatgctttac 340

<210> 8795

<211> 318

<212> DNA

<213> Glycine max

<400> 8795

gcatcagtcc cgctaactgt tgcagcatct gagtgccacg cttcgggaaa cgcctcatca 60
gcttgtgtac ccatccaaac agccagcatt agctccccct tcgctttgtc accctttctg 120
tcttccagcc tataccactg cggtgccaaa ggactgtccg gtggaacacg cttcggggatc 180
tcattgaggt caaacaagac acgaccaatg aagtcacctt tcacgacatc cttgtccttc 240
acagtgactt ccagtatgga agcctgaatg cggctcttgg agaaagcaaa aacctgattc 300
cattcaggat tacacttc 318

<210> 8796

<211> 312

<212> DNA

<213> Glycine max

<400> 8796

tcattcactt accaaatcat caaatgtacc atgagagttc atagcatata gatgtgaaac 60
tacacttcat cagagatgtg attgaatctg acaagggtgaa cgtggagaaa gttctaacag 120
aaaaaaaccc cgctgatatg ttcataaagt ccctctctag tgtcaagttc aagcactgcc 180
tggacttgat aaattttgaa ggtgtctaaa gcagattggg agaagagcag cccaaaaaca 240
caaagtagac actcgcttat ttaaattcaa ggcggagatt tgtgggtgtg gaactcaa 300
cacaattgac ac 312

<210> 8797
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 8797

gttcaacacc tatcataaat aattgactta actattattg gattgtgaaa aagcttggat 60
 aaatatcaaa ttaaaatatt ttttaatgaa ttgaatttta aaattattat atataatctt 120
 aacacgtcct tgtttcaatt taactttaaa ttttgatata ccatatgaat aaagattatg 180
 tgtcccaatt taaatatttt ttttatagtt ttctcctcat gtttaaaagt attatcgtaa 240
 atttatttat atctactaaa ataaaatact caccattaac caggaaaata tctaataatta 300
 cgaagtctta tttttaaaaa ttatatatgt gtgtaatttt acacaattaa ttattgata 359

<210> 8798
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8798

aaacctttgc taattcaatt aggaattccc ttcctaatat tctagtgatc atcttgatgt 60
 tgtgacttgt aatcttgaag tattgtcttg aattttaatc ttgaaaagcc catttgcatc 120
 aattgcaaca catcatcatg atcatcatca aaacatcaaa gccaatgca tctacacatg 180
 tgtcctccac cttagagatt ggagctatgt ttcacgattg cctaagtgcg gaccctcaaa 240
 gcaatccgcc attcttcttt tttttttcgg agaccatga atgtatngcc taacgctatt 300
 catgtgccct ccaccttcaa gggtggagct atgtttcatg a 341

<210> 8799
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8799

gcttctaaga aaaacttctt gagaagctnt ctttaagaaaa cttgcttgag atgctagagc 60
 taagctacac acacncatct aataactaag ctcacctcct tgagaagctt ncttgagaag 120

ctagagctta gctacacaca cccatctaata aactaagctc acctctntga caaaatacat 180
gaaaatacaa aataaaaagtc tcgactacaa agactactca naatgccctg aaatacaatg 240
ctaanaccct atgctactag aatggcacia atacaaggcc caaacgaag agaaacctat 300
tctaataattt acaaagataa gcaggtcat atntagccca tgggctcgag atctacccta 360
aggctcatga gaaccctang gtcttncctt ggatctctga cccaatctac ttggagtctt 420
cta 423

<210> 8800
<211> 316
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8800

tctgacattc accacagatt ctgccttctt ctattttcag atngngaag cctctaacag 60
aacctttgtc aatgattntc ttcattgcctc ttaagtgcag atgtccaaat ctttgatggc 120
catatttgac ttcattcttct ttggagaata gacatgtgga ggagtgactg gtttcttgag 180
gtgtccatan gtaacagttg tcctttgatc tgctgccctt cattagaact tcactcttct 240
catttgtcac caagcattct gactntgtga agttacattg aatccttcat cacacaactg 300
actgatgctg atcaag 316

<210> 8801
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8801

cgagacgctn ganattgaac aacggaagct ctcgagaaat tcanatggc attaactttc 60
acatggatgt ccaattcaag tgcataatat ttngagatgc tctaaatnta acatggaagc 120
acaagggaaa ttaanacggc cataaccttt aacaaggatg tccgattcag gccataata 180
tattgagacg ctcgatattg aacacttatg ctctcaagag aatcanattg tcatacattn 240
tcactcggat gtccgattca gacgcataat ataccaacat gctcgaaata aacatacagc 300
gcaagcanat tcaacggtat ac 322

<210> 8802
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8802

tgacatctat ccccatatgg aanaaggcca atgtgcggac atgacattca gaggatgtgg 60
 cggaacattg acattgtccg cgtatgctng acatntatgg catntcctta catgggcgca 120
 gcaatcgctn tccatagtga gccagtaata acctgctcta aggatcttcc tggccatagc 180
 atgcccattg gcatgtgtcc tcaatgaacc cccgtggatt ccctcaatca tgtagtctgc 240
 ctcttttgga tctacgcacg gcatgaaggt catgtcgtgg tttcgtttgt acaggatggg 300
 accactcaca nagataccag tagccaatct tccctaacgt tctttctcat tgcganaat 360
 ccctgggtgga tattctgtgt tctcgatgta ctatntgata tcgaaatacc acggtntccc 420
 atctcgcttn tctctntca cacaacaatg tgt 453

<210> 8803
 <211> 282
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8803

tcaatcctat accattcagg agccaatgga ctattatgtg gaacacgtct aggaacatca 60
 tggagatcaa acttcacagt gccataact tcatcaagta acatattctt gtctttgacc 120
 acaacttcaa gcaaagttga ctgctgattn tcccttgcat aggcaaacac tngattccat 180
 tcaagatctt gtgttttctc agagtgtatg gtaattcctc tgaaattgca acctttacct 240
 ccacatatgg atcaatgctc ccagtcaaac gagctcttac aa 282

<210> 8804
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8804

taagagctag agctagctac catacctctc taatagctaa tctcacctgc ttgagatgag 60

aaactagagc ttagctacac anccccata atagctaagc tcaccctcat gaaaaaatac 120
atgagaatac aaaatagaaa tccctactac aaagactact cataatgcct ggagatacaa 180
ggctaaaacc ctatactact agaatggcca aaatacaaag ctcaaacgaa tgaataatct 240
attctaatat gtatatagat aagcgggctc atacttagcc catggggctcg anatctaccc 300
taaggctcat gagaactcta ngaccttcct ttggatctct ggccagatct acgtggagtc 360
ttcta 365

<210> 8805
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8805

acatagactt cttgcttaat aagtccattg aggaacacac attctacatc catttgatac 60
aacatcatat catgatgggc agcanaggat attaaaatgt gcattgcttc tagacgagca 120
acatgagcaa tagtttcagt cgaatctata ccttcttggt gtgaataacc cattgccaca 180
agcctagcat tgtccactca caaccttaca tatttcatcg agcttgtntc tgaacaccca 240
ctntgctcca tagcatatat gccattggga agatctacaa gcttctagac atcattcttc 300

<210> 8806
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8806

tgagaatgtc ttatccttac nctcggaagc aaagaaaaaa ggagagaagg ataantcca 60
atcaaaggaa acaaggagag gaaagggaaa tcccaatcaa agagtgcgag aaagcaaaaa 120
gataagatag aacattccca atcaaagaat gcgagaaaga taaagagaag gagaagaagg 180
aaggaaagct cctgatcaat gatcgaaaga aaacagaaga aatgtgcaga ggggatctct 240
ggaccagaca atatctaaac aaatacagaa ttgtcaccaa atgaacaaaa gaaagaaaag 300
ganaccataa cctataagtg gtcttcttcc tttgatacca accaanatcc tgtgcg 356

<210> 8807
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 8807

gtcacctgcg gcatgcaagc ttatttaaca tgccccatat atatttgcaa gcgcttactg 60
 ttaaaaaaca acttatatat atagtttcat gttgtgattg atgaccatga tttgggttac 120
 aatctaaaaa aataaatgat cttagaatca atcatgcata aatataatta tgaattaaaa 180
 ttattacatg atatgcacat taacaaaacc atacataata tgattatagt gatcttattc 240
 agttcaagga tatgaagaat atatgtgatt taaacaaaac ataaaaataa aaccatatgt 300
 aaaaagaaaa gaaaactttt ttgactgcaa aaaaatgatc ctcaacacat tcagaccgaa 360
 taagagaaag cactttgtaa catacaataa caaagaacg tctgcactac cagtaaaaaa 420
 taactatcta ttctggttgt tataatatta aataatgtat gacataaca 469

<210> 8808
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8808

aaaattcctt catctgactt agcatcaaat ttctctatgt tttcttttcc attgtttaat 60
 acaaaacact tgcaaccaa gacatgaaga tgtgagatgt atggtttcct accattgaac 120
 aattcatatg gagttttctt taagatgggc cttattaaag ccctattcat gatgtaacat 180
 gcagtattaa cggttcagc ccaaaaatat tttggaagag gaatatcatt cattaagggt 240
 ctagcaattt cttccgaaga cctatttttc ctttcaacaa ctctattttg tagaggggtt 300
 ctaggtgcan naaaattatg tgcaatgcc tgctattcac aaaataaatc anattcttta 360
 ttttcaaact caccctctg atcactccta atagatat 398

<210> 8809
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8809

agcttgtgct cacttcncg gccggtagggt gccgtaattg ctatttagct atttttccct 60
 taacaatcac aaccacaacc atgtgagtgc gtactttgat tgattgaata tgtgggtgtg 120
 cagtgaggct gagatatacc tgtttggagg ttccattact tcttgaaaag ttcccagtgg 180
 taaggacctc ctctttgttc gccccgacgc tgttttcaat gggaacaaac cgataagggt 240
 agcttcttct ctctcttcta ctcatatct ttaatcttta attactcttt taagtctctc 300
 cacctatgct gttttcatcc actatgcaa ccaattcttt ttacgttgt aatttattaa 360
 ttctggatcc tccagacact gattcanttt atatatttgg gcagtgggtg tgttccgcat 420
 tgttttccac agtttgggtc tgggtccaatt c 451

<210> 8810
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 8810

agctggagtt gctgcacatg atgtccaacg ttatgtcaaa gaataagatc gggctgcaca 60
 atgcacaacg caagataaag tgtcaaatga agaattgaag ctgcaggatt cacgatgtcg 120
 gatacaatgt ccaggacatc ctgcctgaaa atactggaat tgctaaaagc attgaagctg 180
 caagatccac gatgtcggat acaatgttca ggacatcctg cccgaaaata ctggag 236

<210> 8811
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 8811

gagcaaattc aaacgacaat aacttttgac tcggatgtcc gattgtgtcc tgtaatatat 60
 cgagacactc gtaattggaa acagaagctc tgagcaaatt caaacgacaa taacttttta 120
 ctcgatgtc cgattgaatc ccgtaatata tcgagacgct attaatgaa aatagaagct 180
 ctgagcaaat tcagacggca ataactttta actcgggtgt gcgatttgtt ctcgtagtat 240
 atcgagacgc tcggaattga aaactgaagc tctgagagaa atcaaac 287

<210> 8812
 <211> 329

<212> DNA
<213> Glycine max

<400> 8812

ccttacttga atcttatgcc ccaacactat ttcttcttga accatgaaat ggcattttctt 60
ccaattgaga actagattgg actcttcaca tctctttaat actctttcaa tatttgataa 120
gcacccttca aaagatggcc caaaaataga gaaatcgccc atgaaaactt caatgcattt 180
ttccaccata tcagaaaaaa tagccatcat acacctctga aatgtagctg gggcattgca 240
tagacaaaaa ggcatgcact gatatgcgaa tacacaaaaa gggtaggtga aagctgtctt 300
ctcttgatct ttgggatcta caacaatct 329

<210> 8813
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8813

agtcacctgc aagcatgcaa gcttcttaaa tatgagagat aatgtttatc ttcaaata 60
tagataaaaa gataaaatta ttttaaata aacctctcat tttttgtttg aaaagatcta 120
aattcatatc tctttaacat tataattaca aacatccaca tccgaataaa gaagatcaga 180
cacaaatgat aaaaaagttc aagacttatt tctaaacttg aaaagtaaaa aaatgtttta 240
ttcttttagaa ttacactcat cataaaattg atagttgata cacaaatatt aatgtggatc 300
tataaaattt tcacattatt aaaagaaaat ttttgttggt ttaagaacgc acgtgcattt 360
ggatatacaa attnttttgt atntataatg tttgcagcat attttaaata gagattataa 420
ttttgtattg aaaggatccg aaacactctt atttaactat catccttcgc atataattca 480
t 481

<210> 8814
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8814

agtcacctgc agcatgcaag cttcacttgc ctaattnttc ttcattcccag ctcttaactg 60

cgggtggcagt cttcattgca atgcctagtt tgtggatcac agacctttct tccatatctt 120
 tcctttcaag tgttggcatt ctcatgtctc tactcatttt cctgtgtgta gcagccactg 180
 cactcttagg acatgtccaa tctaatacatt ccatacctgt cctccacctc cataaatattc 240
 catcagtatc tggcctctac gttttcggct atggaggaca tattgtcttc cctgaattat 300
 atacagccat gagagacccc tcccaatnta caaagggtacc caacttcattg aaattttata 360
 aactgaatta tatgcttaat caaaactntc aataaatata aattgatccg gacagcacat 420
 catatttatg ttt 433

<210> 8815
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 8815
 agcttggcac ttgttgcatt tcctcatgtg aacacaacaa tcattctcca ttgtgatcca 60
 ataataccca gctctcagaa cctttcggcc catgggatgc ccattgacat aggttccaga 120
 ggatccttca tgaaccttcg ctagtatcta ctggggctcg gctgcattca cacacctgag 180
 caataccata tcatggttcc ttttatatag gacatcctcg atcagaagga aactgggtcac 240
 caacctgctg aatctcctct catcattgtc agaggcccca ggcgggtatt ccttgtcctt 300
 gatgtatcg 309

<210> 8816
 <211> 185
 <212> DNA
 <213> Glycine max

<400> 8816
 gcgaagaggg tgggaattcct agagcaattc ccttatgtta tcaaacataa aaagggaaaa 60
 ggtaatatgg tagccgatgc tctttctcgg cgtcatgcat tactttctat gctcgaaaca 120
 aaattgattg gtcttgaatg tttgaaagca tgtatgaaaa tgatgaaact tttggagaaa 180
 ttttt 185

<210> 8817
 <211> 408

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8817

agtcacctga agctgaagct tctaactntg acaagactga agctctgata ccacttggtg 60
aacaagtggc ctcaaatatc ttaagaagga gggggggttga attaagatat cacaaactat 120
tccccaatga aaaattctac ttgatggta acccaagacc caagattcct tttaaaatta 180
attcctatat aataattcaa attaaactta ctgaatataa acaatgagca acaattaaca 240
aaagagttta atggaagaga aagtgcacac acagtatcta tactggttcg gcaaagtgcg 300
ttgcctacgt ccaatgcca aaaaatacgc ttgagagttg cactatctca caaatccttt 360
acaccttatg atacacacaa ggacaacctt tcctttgtgc tcatatgc 408

<210> 8818
<211> 361
<212> DNA
<213> Glycine max

<400> 8818

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cttgaactac ttcacattga tttatttggt ccctctagaa ttatgagttt aggcggaat 120
tactatggct tggtaatgt ggatgatgtt caaaataaaa aacgaagctt ttgatgcttt 180
tccgaaactt gccaaagtga ttcaaatga aaaaggtctc aacattgttt caattagaag 240
tgatcatgga ggtgaatttc aaaatgagtc ttttgaacac ttttgtgaag aaaatgtaat 300
tcaccataat ttttcagccc caagaacacc tcagtatgat ggtattgtgg agaggaaaaa 360
t 361

<210> 8819
<211> 325
<212> DNA
<213> Glycine max

<400> 8819

tttctctaca atcgcatcac gctctctttg agctggtgaa gaagaatgcg gcatttacct 60
gggggtgaata acaagagcaa gcctttgctt tgctcaaaaa aaagcttact aaggcacctg 120

ttctagctct tcctgacttt tctaaaactt ttgagctata atgtgatgcc tttggagtgg 180
gagttggagc tgtattgcta caaggtgggc accctattgc ttagtttagt gaaaaacttc 240
atagtgcgc caccctcaac taccctcacct atgataaaga gctttatgcc ttaataagag 300
ccctccaaac ttgggaacat tacct 325

<210> 8820
<211> 463
<212> DNA
<213> Glycine max

<400> 8820

actaagcttt attaagagat gctttattta cagctaatat ttattattaa tttattaaaa 60
aacttggtat aacctaccta tttatttcaa attaataatc aacatatcaa tattataata 120
aataataata cgtagacat gtacaaataa ttaaaaccca ttttagtaat tacattggtc 180
aaaattaatt ttgattaaat gtattcaatc atcattccat taaacaatca atttttgaaa 240
aggattgaag agttcaattt ccgcccattc gaataaatga ataattgtta tcatcattta 300
ccataacgat ctctattac ctttattcaa gaaaaaaat taaaaatatt taattataac 360
gagttctaga attctaaata tattcttcta agaaaattct atatatatta ttataagggc 420
agtgcataata atattaacat aacataaatt caccaacaca ttt 463

<210> 8821
<211> 420
<212> DNA
<213> Glycine max

<400> 8821

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gagaaattaa cttgcttgaa ttgggtcata gtgatatatg tgatagtaat gatgtgctaa 120
cacatggtgg taagggatac tttattactt tcattgatga tttctccaaa tattactatg 180
tgtattttaga taatcacaaa agtgagttgt tttataagtt catagtgtat aaaacagaag 240
tagaaaaatga attagaaaga aaaattaaaa ttttacgctc tgatagagat ggagaatata 300
catctttgaa tatgagtaat ttttgtgaaa tgcattggtat tattcatgaa gtgacacctg 360
catatgctcc tgaatctaata ggtattgtgg aaaaaaaga atcatacctt gcttgatatg 420

<210> 8822
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8822

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 tatatttttag tactgggatg agtttgttac actcttaaaa acaaaggctt ctaagtgtga 180
 aagactttnt atatttgtat ctaattatgt atagtaatat atgataaatn tgttgactct 240
 aaaaataaat tntgatgggt gatattttta gaatttttac atttgaccat acatcacaat 300
 taagctttta gttntaggga taattatatn caatttcttt gatgtgtgaa taattactca 360
 gaatttactt 370

<210> 8823
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 8823

gggtgataat agatccccct gcctaagtcc ccctttgggg gagaactcag ccatggggct 60
 accattcacc aaaaccgaaa tagacgcaga ttttaaacac cctcaatcca tttggaactg 120
 aaatctgtta tttccaacat gtacaacaga aaataaccagg agaccgagt ccttctcata 180
 atctactttg aatacaagga atgatttgct gctctttttg gcctcttcaa tcacctcatt 240
 tgcaatgaga gcacaatgta atagatgtct tccctcaatg aatgcatatt ggtctctatc 300
 tacgatatat gccatcacct tcttcattc 329

<210> 8824
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 8824

agcttataga actatcccaa ggaaacaagg caataggtgc taaatgggtg tttagaaaca 60
 agctagacaa ggcaagtaaa gttgtgagaa acaaggcaag gttagtttcc aaaggctact 120

cacaatagaa aggtataaat tatacagaaa cttatgccct tgttgcttgt ttggaggcta 180
 tatgcatttt accatcattt gttgctcata ctaaaatggg actatataaa ttggatttaa 240
 aaagtgcact cctcaattga tttatacaaa aggaagtcta tgtagaaaac ccccttaggt 300
 ttgggagtaa cacttttcca caacatgttt ttaaactcag taaagctcta tatgagctaa 360
 agcaagctcc ttgagcttgc tatgaacgtc ttcgttcatt c 401

<210> 8825
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8825

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 aatttccata tgctagaaag tcattaatgg tacaaaaaac catagcacgt aaattgaatg 120
 tctcttgaag attcccatcc cacacatcaa ccccgctctc ccacaatttt ctcaagtttt 180
 cgatcaatgg agtgagatac acatcaatgt gatttctctg ttgccttggga ctggcaatca 240
 tcatgcaaag cattatgtac ttttgcttga tgcacaacca atgagggagt ttgtaaatca 300
 tcagcaaaac aggccatgaa ctatgattga tgggttaagtt accaaaagga ttcattccgt 360
 cggaagcaag accaagccta aggtttattg tgttgtctgc aaaattaaga tacaaatgat 420
 caattgtctt ccatt 435

<210> 8826
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8826

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 acataaaaaa ggaaaagggtg atattgtagc cgatgctctt tctcggcgctc atgcattact 120
 ttctatgctt gaaacaaaat tgattgggtct tgaatgtttg aaaagcatgt atgaaaatga 180
 tgaaactttt ggagaaattt ttaacaattg tgaaaatttt tcagaaaatg ggttcttttag 240
 acatgaaggc tttcttttca tagaaaacaa attgtgtgtg cctaaatggt ctactagaaa 300

tttgcttatt tgtgaagcac atgaaggagg tttaatgggg cattttgggg tccaaaacac 360
tctaganaca ttacaagaac attnttattg gcctcatat 399

<210> 8827
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8827

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acgagattga attgcccggg gagtataatg tgagtactac atttaatgtg tctgacttaa 120
ctctttttga tgtagatgga gaagccgatt tgaggacaaa tccttttgaa gagggagaga 180
gtaccaagga agctcttcaa caagtgttaa ccatgctatt tgaatttacg cccaagttac 240
aagtggagaa gcttcggatt gttaattgca ccatgttcca agaagagtag aggggtgccac 300
ttttgttgag tggttntatt agcatttt 328

<210> 8828
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8828

agtcacctga ggctgcagct tcaagcacc tttgactga gaatctattg gattgcgaac 60
ttgggtgggtt cgtgcttggt tgccacttcg gccattgttc gattgataac tgtegatgta 120
gtgaaattgg agctaagttt gagagtggat gacatattct cgttgggttaa tcttccactg 180
tccgccttcc ttttcctagt agcaatgaaa ggatcaacgg ngattcaagt gattagaatt 240
tctgatgtag tgacaacata tcagtcctt tacactgaca gaactntgag cccttatgcc 300
tattcttcgt tcttctccaa aacagtgtgg ctttgatga accctttgct gaacaaaggg 360
tacaaaacat ccctcaagct tgaagatgtg ctttctcttc ctattgattt cagagcagaa 420
aagatgtcag agctttttcca tagcaattgg ccaaagcctg aggaaaacag cacgcactcg 480
gttgactca ccttggtgag atgcttct 508

<210> 8829
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8829

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gatgttggtcc atcgctcttc tgttcttaat gaaagcagtt tgagtttccc caataatagt 120
ctcaagcact ggggctatgc ggtagccag aatttttagat acaatcttgt ataacaaatt 180
acagcaagat atgggtctaa aatgggtaac ctgggaggcc tggatcatgct tatgaataag 240
cgcaataata tcatgggtga gctgctttat aatttttcca gctgcaaaga tatcatcacc 300
aatgatatgt caagccttct tgaagaataa aacattgaaa ccatctggcc caggagctct 360
attattatcc atcacagaaa taac 384
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<210> 8830
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 8830

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agcttagagt gcagaagaag aagcagcaat caatttaata atgttcttta aacatgcaag 60
gcaaaattga ttgtaataac ataaatgaga taagggaaga gagaatgcaa acacagtttt 120
atactgggttc ggcaaatttt gtgcctacgt ccaatactca agcaaccacac ttgagatttc 180
cactatcttt gtaaaatcct ttacaacttc tgaaccacac agggacaacc catcccttgt 240
gttcaggaat ccttataact caagagaccc tcaatccctt aatcaatctt actgaatgag 300
aagaaagaaa gaagaattat ttcttgaaga gaaggatatt acaatgaaga tccatggatg 360
aactcttaat gggattgcaa gtgtttgccc acgagttctt gagagagcat ttggcaatga 420
agttctcttg gaatctctct tattttcttt 450
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<210> 8831
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8831

agctntacac aaatgccact atactccaag ttttaaaagg atatgttaac aaggacacac 60
aagtatattc accaggaaaa cattgttgtg gaaggaaatt gtagtgttgt gattcaaaag 120
atccttgcac ccaagcataa agaccctgtg agtgtaacca ttccttggtc aattggagaa 180
gtcactatgg aaaggcactt attgatctgg gagctagtat taccattgtg ccactctcca 240
tgtgcagaat gttgagagac gtggagatca tgcccactag gatgacttta caactgttga 300
ccgctctatg accagaccat atggagtaac tga 333

<210> 8832
<211> 534
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8832

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atagattaaa ataattntaa atgtttaatg tgtatccaat taattatatg gatgtgtatc 120
tcaatatgtg gtaaacatta gaatgaattt taatataata cataagttat ttttatttgt 180
caaacctatc tgtcatataa tgaaaaagac aaaaaaaat gtacaataac aaattaaatt 240
ttatttattt tctataaatt ctctatatct tttctatata tagaatatag aattcctata 300
tatagaatat agaattcttt tattcttta ccttctttag ttaataagggt taaagaataa 360
aagacaaaaa aaatagaagc gtccattgtc taatggatag gacagagggtc ttctaaacct 420
taaagtatag gtcanatcct aatggacgca aattgtttga tatnattgat atatatgcaa 480
ctattgcatg gaaaaatgat ttcattgata atgaccatgc ataaaaatga caca 534

<210> 8833
<211> 318
<212> DNA
<213> Glycine max

<400> 8833

tgatggcccg agttatgttg gggaactggt actaaccggt aatggggttta ggcaaagaca 60
acagcggcat tgttatacaa gaggcctcac atatcttaag aaggggggggt tgaattaaga 120
tattccacac tgtttcccta attaaaaacc atttcctttt tactcaagtt atgaattccc 180
ttaatgacaa tcttcttaaa tattaattca aatgaagcaa ctcgaatatg aatattatgc 240

acttataaat aaacgagatt aagggagag aaaatgcaa ctcagtttta tactggttcg 300
gccacactcc ttgtgcct 318

<210> 8834
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8834

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gtaaaaaggt atgaccattt tagtttatcg ggagccttcg tttttcaatt tcgagcgtct 120
ctatatgtga tgagctcgaa tcgacatccg agtgaaagtt atgaccatct gaatttctcg 180
agtgccttcg ttcttcaatc ttgagcgct caatatatta tgcgcttgga tctcgacctc 240
cgcgggaaaa gtattgacca tttgaatttc tcgagagctn tcgttggtca atttataatg 300
catcggaatc ggacattcgt gtgaacagta tgaccattg attttttgag agcttccgac 360
gtttaa 366

<210> 8835
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8835

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cacaagctaa agttgagtat gtgaaaagat tgcataagca agtgaaggct caaattgcaa 120
agaagaatga aagctacgcc aagcaagcca acaagaacaa gaagaaagtg gtacttgaac 180
catgtgatta ggtttgggta cacatgagga tggagagggt ctctatacaa aggaagttga 240
aactcaacct agaggagacg aacctttcca agtactagag aggatcaatg acattgctta 300
caagattgat atttcaagtg agtatggagt acgtctctta tttaatgctg ctgacttg 358

<210> 8836
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8836

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aaatttggtc tgcaagaact atgactccca atttatatta gttcaaattt atgttgacga 120
cattatatgt ggtgttattt ttgaacctct ttgtgaggat ttttctaggc taatgcaaaa 180
tgaattcaaa tgagtatgat gcgaaagctg aacttcttct taggactaca gataaaacaa 240
accaacattg tcatatatct gctagaagac ggacttggtc cctcgactca atcaccaact 300
gatatatctc tggtttcttg gtctccact gataccacta cacaatgcaa acatcttgat 360
accctgtcac ttctcaacc tataccttgc atgacgnagc aatgatcgag cttactata 420
tctaattcat cc 432

<210> 8837
<211> 331
<212> DNA
<213> Glycine max
<400> 8837

agcttcttac aagagactaa gaaatttctg tctttatttt ttaagatgaa agatcttggg 60
aagctctctt tgtattatga atcaccatac taagagatcg ctttcaagggt attctaagggt 120
tgtcacaaga gagttatatt aataagggtcc ttaattgatt cgacatgaaa gatagtaaac 180
tatgagatac ccctattgct taaggagaca aatttagtct caaacaatgc cccaataatg 240
accttgaaag aatcgagatg caaaagattc cttatgcatc agcaattaga agtctaatat 300
acgctacagt tgcactcgtc ctgatataca c 331

<210> 8838
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8838

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agttattacg tttgactttt cctagagctc ccggtttcaa tttctagcgt ctcgatatat 120
taaagggtc aatcgagat ccgagtcaaa agttattatc ggttaactat tcttagagct 180

atacgtttga attacgagcg tctccatata ttatggcact caatcggaca tccgagttaa 240
 aagttattgg cgtttgactt ttcttacaac tategttatc aatttatagc gcctcgatat 300
 attacagggc tcagatagac atccgagtta agagttattg tc 342

<210> 8839
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 8839

agctttataa gaccgtggaa ttagccattg ttgtgtggcc tggatcttct gttggactag 60
 tttgaccctt ttgcttgaca ccatgtggcc catgtactcc acctggggtt gggcgaagga 120
 acatttcgag agcttaatga agaactggcc ctgcaacaaa accttgaaag ccaattccaa 180
 atgaagttaa tggtcattga aggagctact ataaactaga atgtcgggat gtggacatca 240
 aagcccaagc ccatgacata ccaccagcct caggcccatg acttgatgga agcc 294

<210> 8840
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8840

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 taactgaagg aagtgtgtat tgcaggtaac taagaaattc aaaagattga caaaaatcta 120
 agaatagtat gcatgcaact tgcaaaactt agaacctgct gaggtcatct gaatttggag 180
 ggaagtagta aagcagcctc tgaatcaaag aggtagcagc tttcctgttg cgtgcaatta 240
 gaacagcatt tggccccgca tcaaatgtat aagctacctg caagtcaaaa ttattaaata 300
 tttaaataga aatatagaga tttatacaca tttgtttgtt tacatgagcc cgtgtaatta 360
 tcacaactaa naaagatgta tatatacaca ttattcaaat ggngggttata ccgaaagttg 420
 atgtggtgca cgggcat 437

<210> 8841
 <211> 412
 <212> DNA

<213> Glycine max

<400> 8841

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aatccttcct atagcttcct ctttgggtggg gaaggatcatg gttactaccg ttataagctt 120
tggttatcaa ctcgtccccc ggggtgggtcca ttcaaccctg cttttccatc atcttccatg 180
cccatgatgc ttcctccaaa tccaatgatg aatctgtctc ctgtaaatgt ttctccgatg 240
aaccttgcag gaattgggtt ttcaccttcg atgctagggt cacctccttt ccaacagttc 300
tatgatcaac aacaccacca tcaacatcct cagtcttttg gacttcctgg tcggcctgag 360
tatgatcccg catccaagtc tttcacaggg atctctgggc cactctcatc tg 412

<210> 8842

<211> 300

<212> DNA

<213> Glycine max

<400> 8842

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taattatgat ctttcaagtt acagatgcaa tgtaagttgg aggaatcatc caaatctgag 120
atgggcaagt tcttcacaac aacaacaggc tgtgcttctc tttccagaat gttgtatgtc 180
caagtatgcc acatgtttct cctccaatgt agcaacagca gcagcatcaa cagtcacaat 240
aaagacaaca agcagctgat gcttcttctc agcctttcta gaagagtttg tatgcaaatg 300

<210> 8843

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8843

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attntgtgcc tcanatgagg tctgagattt gaagtgtaat tctaaaaatga acaaatttga 120
aaaaatgcac acacaatgcc tttatatata gccgaagtgt cacacaaaat tggagtggaa 180
attgaatttc tattcaaatt tcacttgaat ttngaattga atttgtggag ccaaatttgg 240
agccaaaatt tctaataa tgattagtga attttagcta tggttcagcc cactaatcca 300

aatcaagtc caagattctc cactaagtgc gcttaggtgt tatgagacat gtaaaacatg 360
aaggacatgt acaaagtgtg actatatgat gtagcaatga gatgtagcaa gcaaatgttc 420

<210> 8844
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8844

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atctaattctg cttgttaaaa ttcatcacia gaaacaagta aaaaacatca ataagtatca 120
gtacatgaaa cagaatacac caacaatggt agaataaaaa ttaataatag tggaagattc 180
aaacagacct gctcacttct ttcttcaatt gctttcttat caccagctcc atcaaggatg 240
acagtgtcat ccttagaaat tggtatctaa aacatacaga accttattca gttttctaaa 300
tcatttaacc ttgaaaatag tatgggcata gaatagagaa atttaatgac actttcttta 360
aaaagcttaa acacaagtag ntgctccagg agaanagtca gcacccata ccaaaactat 420

<210> 8845
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8845

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tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
gctttccagg ttctgtatc cagtgatttg aggaaggcca ccattcttgc tttccagtat 180
tcatagttag ttccatctag gattggtggt ctgttcaactg gtctctcttc tttctccatg 240
ttcatcagaa tttatctccc tagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
aattgaaatt ctgataccag gggacagatg tctgtaccgga tgtcagaca tcacgcttca 360
aaacatgcag attatatgtg tccgtatgaa cagattaaac aagtaaataa cacaagagaa 420
tt 422

<210> 8846
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 8846

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 ctggcacaat ggtcctagga aaaccatgaa gtctcacaac tggcctaata acgagttttg 120
 agatgtggga agcatcatcc acctttgggc atggtataaa gtgtgcccac cttgctaacc 180
 tatccaccac cacaagata gagtctacac ctctttgggt tctaggagc ccaaggacaa 240
 agtccatact aatgtctacc caaggtgcac atggaatggg t 281

<210> 8847
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8847

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 attagtaaag gtctagtaat aattaattta acccccctt ctaattatt atgaggccac 120
 ttgatccaac acatcagagg agctattata cctcctgct tggccttctg aagtccatga 180
 cccatttgct ctgaccttta gaaacaaagt tgagctagta tcctgaaaac caccaaaact 240
 aaagctctc aacacccaac aaaatgacct ctctcattt agcccataaa ctgaagccac 300
 acaatcacia tctgacaagc atgcactccc acatnttgac acnatagaaa tatcactata 360
 ttagctatta c 371

<210> 8848
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 8848

tttgacagtt gtgacatctc agtttctct tgtcaaactt ccattccttg cttccattgg 60
 agctatcatt ttgcttttgt gattaatcac ttttctttcc tttagaggat tcactacttg 120
 cattagatcc ttgatcctgg tgtttttgat tgggtgcatga cttatttctt ttccatggtc 180

ctttgccttt tcctttgtaa gtggattgtg cctgaagtgc ctgttcttga ttggatcttc 240
 tctcattgat ccttatttca tgtgcctcaa tagagcgtg caattcttca atctccatga 300
 tgtctaagtt ccttgactct tcaattgcaa caaccacatg atcaaatcat ggtggcaaag 360
 tcctcaagat cttgtctacc acttggtcat cagagatctt gtctttacat gacttcatga 420
 cattgaccag ttcttg 436

<210> 8849
 <211> 321
 <212> DNA
 <213> Glycine max
 <400> 8849

tctacatttc tctccacacc cattgcatgt caaactctaa ttcttctcct tctttggggg 60
 gactgctggc accatctttc aatctaaatg gccaatgaat ctgcatttta tacattagag 120
 cctctgtgtc tgttactaca catatcaaac cacatgcaaa aatagatgcc atttaagcat 180
 aatagaagct cattaccaag ttaagatcaa cgtaatcaag ttggagttct tgaagggat 240
 tgttgatagc aggtctaacc ctttcagggg tcaagtctgt gcaccacct catgcaataa 300
 ttacacaca cacacacaca c 321

<210> 8850
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8850

cgcttattgn gagccatgcc aatggtagat tgaaaactat tggtataagc gaactctatc 60
 aacggaagag aactctccca actccctttt tgctctacga cacacgccct caaaagggtcc 120
 tccagcgact gaatgggtcca ttcagtttgg ccatcagttt gagaatggta ggcagaactt 180
 agtctatgct tggttcccaa tgctctatct aggtctctcc aaaatctaga ggtaaaccta 240
 ggatctctat tagacactat gctagatgga acaccatgta atctgacaat ctactaata 300
 tacagggagg tcaacttctt caaggacaat atgatattaa taggaataaa gtgagcatac 360
 ttggtcagtc tgtcaacaat aaccagata gaatctaaac ctctgggggt tctagatagt 420
 cctacaacaa aatccatgg 439

<210> 8851
 <211> 324
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8851

agctttgaga ggagtnntgg gacttaccgt gtactataga agattcatgt gcaactatgg 60
 acaaataagct cgacccttag ctgatttatt gaagaaggaa aatatcaagt ggactattaa 120
 aagtattgag gactctaccc agttgcagca ggctgtcacc acagcttctg tactatcaat 180
 gccaaatctt tcaaaaaaat attccataga atgtgatgca tcgggaaagg gagtaggggc 240
 tgtgttaact caagataaaa ggcctatcgc ttaattcagc aatgctttgg cagattcaac 300
 actcacttta ttaatttatg aaaa 324

<210> 8852
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8852

tgctgagggg ctccgtcaag gccagtagct tgtntgggt cagcattgca tcttgggctg 60
 tgagctccag aaggcttctc tttgttggtg tgtatgctca atcatgaagg atggtgtgat 120
 cacaggccgc catgttctct ataagctcta ttgcctctc tgggtgtctc aacttgattt 180
 ttccccttgc ggatgcgtca aggagttggt ttgactgttg tcacaagcca tctatgaaga 240
 tgttttagttg caccagctcg ctgtacccat gtgtaggcat ctttctgagt agtccgtgaa 300
 aacggtcgag cgcctcacag agtgattcat tgtggaattg gaggaatgag gatatttcca 360
 tcttcccctt gataagtttt gactatggga agtatttctt caagaacttt tcaacatctt 420
 tctcct 426

<210> 8853
 <211> 323
 <212> DNA
 <213> Glycine max

 <400> 8853

tccccaggcc atggaagttg cctctaataag ggaacctgca tcaactggca ggggcaggca 60
 cacttccaca ccacaccctt caaaatctat cacgcaaata tgggcctctg atgcaccttc 120
 aacttgggtga aattttctgca gtgggttgtgt catcctctga catggccaag gagataatga 180
 agactcatga tcttaatttt gtgcagaggc cagaactcct ttgtcctaaa atcatggcct 240
 atgattcaac ggatattgcc tttgctccat acggtgatta ctggagacag atgaggaaaa 300
 tatgtacgct agagcttctc agt 323

<210> 8854
 <211> 361
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8854

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 ccctaactaa gttgactcgt aagaacgaga agtttgtctg gaatgagaag tgtgatcaaa 120
 gtttccaaga gttgaagagg cggttgacga cagctccggt gttaatttta cccgacccta 180
 agagaccatt tgaagtgtat tgcgatgcaa gtgggcaagg cctgtggtgt gtgttgatgc 240
 aagagggaag agtgggtggct tatgcttcac gtcaattacg tcctcatgaa gtaactacc 300
 cgacccatga cttggaacta gcagcgggtg tctttgcctt aaagatttgg aggcatatt 360
 t 361

<210> 8855
 <211> 400
 <212> DNA
 <213> Glycine max
 <400> 8855

ccgcggcatg caagcttggt gacttgtgta aagtttttat ttgttagagt atgagaaacc 60
 tttatgaaag ataatcttac ttgaaccaat aagattacca tgagtataa aactatcatt 120
 ctaaataattt aatgcagtac atacctgata taagtttaaa tctattagcc tacctatttc 180
 tataatgatt attaaataat ttcaataaaa cttatttctt ttaaaaaaaaa tccaccctta 240
 tatcatattt gaatccttaa tcttgaaagt aaaataattt caataaatac tcttcttcct 300

cacgtgtctt taagctataa ataaataata tttatatact aattattcat tcaaagaaaa 360
tagtgggtata aattggagaa attgcattga aaattgacac 400

<210> 8856
<211> 450
<212> DNA
<213> Glycine max

<400> 8856

gacactatat aatactaagc tgtctgacaa cttggcgatg attgatttcc aagtctccaa 60
cctccacgga attgtatcaa tggcgatccc caagtacaca caaggaggag atacacttac 120
acagttaagg aattttgcag atttctctac aacatcccta gccactccaa agcctccaaa 180
tttactcttc tgaaaatcca ctttcgagca ggatacaagt tcaaaagatc ccatcatact 240
tttgaagact atcacattat aaacactaaa ttttcccaca acaattatat catccacata 300
ttgcaataga ttcattctctt gctctttaac accccacttt tagtcctcta tagagaattt 360
tagcaaccgc ttcctctatc aaaccgggta gcccttcttt tacaatagtg aatagaatag 420
gaacacacga gtcttcttgt ctaaccttat 450

<210> 8857
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8857

gttttaagtt cttcctcaaa actgtcctaa gcatagttcc caatgtccta ttaacaactg 60
tcgattgccc atcggtttgt gggtgacaag tgggtgaaaa taacaattta gtgcccact 120
tgccccacaa agtcctccaa aaatggctta ggaacttaga gtccttatca ctaacaatgc 180
tccttggtaa accatggagt ctcaaatct ccttgaaaaa caaatcagcc acatgggaag 240
catcatcaac ttttttacat ggaataaaat gagtcattnt agaagacctt tcaacgacca 300
caaaaatgga gtctctacca ctgcttcgtt ttggcagccc taaaacacaa tccatggata 360
aatcaatcca aggatactcc ggaaatggca atggaatata caatccatg 409

<210> 8858
<211> 441

<212> DNA
 <213> Glycine max
 <400> 8858

tgtagaacgg atggacatga tatatgtcag ggtgttgggc tggttcaggg ataaaagga 60
 atgtccacca ttatttccat gacacaaatg caataatgat gatttgaaa ttttatgcaa 120
 aactagtcac gcatgcacct atgtggacac aaatgtccac cattatttcc atgaggtatt 180
 ttgctaccta aacatatgta tattttttgtg aggtattttg ctatatacat gcgtgtccaa 240
 ggtatcttgc tacctaaaca tacatatata tgttttgtga gatatttttg ctatatacat 300
 gcatatccaa ggtatcttgc tacctgaaca tacacatata tattttgtga ggtatctttg 360
 ctacatacat gcatatccaa ggtatctttc tacctaaaca tacatatata tattttgtga 420
 agtatttttt tggttacata c 441

<210> 8859
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8859

acccagagnc acctgctgca tgcaagctat gctgaaacat ttacaataga ccttctcaac 60
 ctcaagtagca aaatcaacca cagctgaaga atgatgacct ctccagcaac agatacaacc 120
 ctggatggag gaatcacct aatctcatat ggtctagccc tcatcaaata caacagcagc 180
 ctgctccttc catacataat gctgctggcc caagcagact cgtcatttct tcacctatcc 240
 aacaacagca acagtccgcg aaattagcaa acttggttag gctgctccac aaccttcct 300
 tgaagaactt gtgaagcaaa tgactattca caaca 335

<210> 8860
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 8860

agcttgctgc accattgaca gatttactta aaaaagaagc attcaagtgg acaccagagg 60
 cagagacaac atttggtcaa ttgcagaaag tcatgacttc agctccagtg ttagctcttc 120

ctaatttcca gctgcccttc attctggaaa ctaatgcttc caacactggt attggagcgg 180
tattacatca gaatggccat ccaatagcat tttttttcca agaaacttgc acctagagtg 240
caaaagaaat ctgactaatt tagagagatg ttagcaattg ttcaagctat agctaagttc 300
agacactact tgctgggaca cacaattatt atcaaaactg atcaaaaaag cttgagatca 360
ttgatggaac aacctctaca gacacctgaa caacagcagt ggttacacag gtttttggga 420
tatga 425

<210> 8861
<211> 328
<212> DNA
<213> Glycine max

<400> 8861

actaatataa tctcagttgt ttaacatcaa aatgatatgt aaatggttta gactcatctt 60
ccatgtgatc agagagatat gaaaggcatt taaaaacaag ctctagatgc aagtgtgaat 120
tggcttctac aaagaaagga aggatcttct ggtaaatctc aattcaacta caccctggat 180
tcttttttaa tacaagctct ttcattcttg atctcaccac actgtacttc atcccactta 240
tgtgcagaag catacatatt tgacaagaga atatacgtcg atgaattaca cgatccttac 300
aaaatcgttc ttgaatttca gttccaat 328

<210> 8862
<211> 394
<212> DNA
<213> Glycine max

<400> 8862

cacctgatga gtgctcgttg agtgcggttg atgcatgtct tgctgcgaaa ctctgctcg 60
tgattcagag tgggtgcaat cctataatga aacaacagtc tgctgagcta tagaagctgt 120
gtagttttaa ttattcagac actatcttta tttccaagtg caagcttacc ataaccattc 180
aatgatcatg gactacatcc atctgggtggc gccacaatt tgaaatttgt ggtgcaagag 240
tagctaagaa gatcagttgc atctcaagac caccgaactc taataaacgc caagacaatg 300
atcatggggg tgagggtgcaa gtctctcctt gatatatacc ttatatatttg attcccacaa 360
tcgatttgaa tgaagaataa ttttaatgtg gaca 394

<210> 8863
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8863

tcaagaaagt cctctccaag agtgactaat gttgctgttc agaaggctgt gagtgccttat 60
 tttctgtagt tttctgttca actgcctaat tcagttgagc aagatttggtt aggaaattta 120
 ttgtcttggt cactgttatt gatgacatct tttattctct tctcaggctg ctgcattgaa 180
 gggttctgat catcgtcgtg ccacaaatgt cagtgcctaga ttggatgctc aacaaaagaa 240
 gttcaacctt ccaatcctcc caaccaccac aattggatcc ttccctcaga ctgttgaact 300
 gaggaggggtg cgtcgtgaat acaaggctaa caagtaagat atgccttgag ttgataggtt 360
 ggcttggtttt cttgaccatt ttggctntta ctgaccctt tgattt 406

<210> 8864
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 8864

tctggtggga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcatgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcatcttct ttggaggata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtaacagttg tcctttgatc 240
 tgctgccctt cattagaact tcaactcttct catttgcac caagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacaact gactgatgct gatcaagttt gcagtcagtc 360
 ccttcaccag cagtactttg ttcagactag gaagtcca 398

<210> 8865
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8865

ntagccttag gttgtccacc atgttgctcc ctctatatct ctaacaagaa gaacttaatt 60
 agttgatcaa aaatgatgtt tggacacttg ttctgaagcc aaaaaataag cgcatacatta 120
 gaactagaac aagatgggtc ttcagaaaca agttggatga ataaggaaaa gtagtacaca 180
 acaaagcaag gctaatagct caaggctata ataagcaaga aggcatagat ttcggtgaaa 240
 ctttttctcc tatagttagg cttgaagtta taagaatcat gcttgccctt gttgctcaca 300
 aaaacattaa gctttttcaa atgaatgtta aaagttcctt tttaaacagt ttcattgaag 360
 aggaagttaa tgtcaatcaa cctcttggtt tgaggatcaa actttctcat at 412

<210> 8866
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8866

ttaaaatttg aatttgaaat tctgatacca atgacagatg tcgtaccgga tatcaaagac 60
 acaccagaga ttactctctg aacaatagag atcaactcta cacattcagg tccaacactt 120
 gatgttaggg taacatcaag gtggctcaca aaacactcaa gtcccaaaac tcacaaaata 180
 actcttcaat ctcgacttg gtagaaaact cgtgcagcct tcattgttta tatagcagtg 240
 tgcgtatctg ggctgcaaca acttgcgctg gataagatct atcattctcc tgaaaatctg 300
 cacttaaaga tctaaaagat aaagtttgat cttttagttt ttatctttaa tctttaatcc 360
 ctgaacgaaa ctattcaagt tgtaattcga act 393

<210> 8867
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 8867

tcaattctga atttcgagtg tctcgatata ctatgggtca caatcggacg tctgagtaag 60
 aagttattgt cgtttgaatt tgcatagagc ttttgttttc aattttgagc gtctcgatat 120
 attacgagag gtaatcggac ctccgagtaa aaagttgttg ttgttagaat ttgctcaaaa 180
 cttcttttct gactttcgag cgtctcaata tactacggga cacaatcgca aatcagagta 240
 aaaagttatt gtcatttgat tttgctcaaa gcttttgttc tgaatttcgt gcgtctagat 300

atactacggg acacaatcgg acatgcgagt aaaaagttat tgtcgtaga tattgctcag 360
agcttcaatt ttgaatttcg agcgtctcga tatattgogg gat 403

<210> 8868
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8868

ttgacgtttg tgttgaatgc attaaaggta aacagactaa aagcaagata ttaggtgcat 60
atagagttac agacatcttg gaattgatac atacagacat ttgtgggcca tttcctacac 120
cttcatggaa tgggtcaacaa tattttatat cattcataga cgattactct agatatgcat 180
acttgtttct tatacatgaa aagtcgcaat ctttggatgt gttcaaaaca tttaaagttg 240
aagttgaaaa tcaactcaac aaaagaataa agtgtgtcaa atctgaccgt ggtggtgaat 300
actatggcat atatgacggg tcaggtgacc aacgtctggg gccttttgcc angtacctag 360
aggaatatgg aattgtccca cagtacacca t 391

<210> 8869
<211> 406
<212> DNA
<213> Glycine max

<400> 8869

tgtccaaaat cgtgaagtaa acctcggggtc cctgtctgat acaatactgg aaggaattcc 60
atgtgacctt actacttctt tgatatacaa ctctactaac ttctccattt tatatttcat 120
atttaccggg ataaaatgag cagatttggt gagtcaatct actatgaccc acacagcatt 180
gtgtccacga ctcatcttgg gtaaactaga taaaaatcc atagatatac tctcccattt 240
ccattttgga atttccagtg gctttaattc tcctgatggt cgctgggtgct cagccttggc 300
cttttgacat gtcaaacatt ttgctacata ttacgtaca tccttcttca tgccatgcc 360
ccaaaaactt ctcttcaaat cttggtacat cttagtcatt cctggg 406

<210> 8870
<211> 173
<212> DNA

<213> Glycine max

<400> 8870

tcaaccaaga agggatggtc catttcaagt acttgaatgg atttatgaca atgcgtacaa 60
gattgaattg cccggtgagt ataatgtgag tactacattt aatgtgtctg acttaactct 120
ttttgatgta aatggagaag ccgatttgag gacacacct tccgaagagg gac 173

<210> 8871

<211> 401

<212> DNA

<213> Glycine max

<400> 8871

tgtagttgct ggaaatcctt ctggaagatt agtggatatt actgatgggt ggaacacagc 60
ttctgttggt ggaacattct cagggcctaa gcattgcttg gccacagcag caactgtgaa 120
ggacgggaag gtgtatctga accatatggt tggaattgga tacccaaaaa agaagcatgc 180
aattgttgag gcagtttttt aacgcatact ttctagaaat ctaaactatt gggaactggg 240
aatgtgggga tcatacattt acaggacggt tagttgaaat ttggtgtacc tttgcttatt 300
tatgtttggt tttgttgcatt tacttggcct cagacctcaa tgcttttccc ttgaattctca 360
acctaacata agatgctcga tcgagtaagt taattaccct t 401

<210> 8872

<211> 407

<212> DNA

<213> Glycine max

<400> 8872

tatcaaaatt gaaaatgatg gttcctaatt tcaagaatct tagagtctta gattgtgagt 60
cttgccaact aggaaaacat gttaggatcat catttcctca aactgtacaa agatgtaact 120
ctgctttctc taccattcac tctgatattt ggggaccaag taggggtaca tcttttgatt 180
ttcgggtatt tgtaaccttc attgatgaat ttttcagatg tacttggggt tatttaatga 240
aagacagatc tgaacttttg cctatatcca tgttgttctt taatgagatt gagaatcaat 300
ttggcaaacc aattaagatt ttcaaaagtg ataatgctaa agagtatttc tctcatgatc 360
tctcttcctt tttatcttca aaaggatttt tgcattcagtc tacatgt 407

<210> 8873
 <211> 409
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8873

tggaaggtag tcatacctca caaaatatat atatgtatgt ttaggtagga agataccata 60
 gatatgcatg tatgtaaaca aaaaaatact tcacaaaata tatatatatg tatgttttagg 120
 tagtgaaaat accttagata tgcattgtatg taaacaaaaa aatacttcac aaaatatata 180
 tatgtatgtt taggtagtga aaatacctta gatatgcatg .tatgtaaaca aaaaaatact 240
 tcacaaaata tatatatgta tgttttaggta gtgaaaatac cttagatatg catgtatgta 300
 aacaaaaaat atacttcaca aaatatatat atatgtatct ttaagtagga agatacctta 360
 gatatgcatg tatgtaaaca aaaaaatac ttcacanaat atatatata 409

<210> 8874
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8874

tgtaggcctt ggatcttctt catcaatgga gtcttttgc tcttaaagtt tgatagcagc 60
 gtaatggaga aggagaaggg tgattggaga tgccacttca aggagaagat gagtctagaa 120
 gaagctcacc accataggaa gccatggata agagcttgaa ggtaagagaa gatgaatgga 180
 gggagagggg gaaaggggagc atgaaattta gtgcctctaa agaagtttga actttgaagt 240
 ttaattctca aatgatcaaa gttgaaaaaa tgcacacaca tagcctctat ttatagccta 300
 agtgtcacac aaaattggag ggaaatttga atttctattc aaattttact agaatttgaa 360
 attgaaattg tggagcccaa anttcactaa ttatgattag t 401

<210> 8875
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8875

ntgcttgcat ttttcctttg cagttaagga aataaagccc aatcaataca catttggtag 60
 tgtgttaaata gttattgctg ctgctgagga tatatcattg aacctatgggc aacgttgcca 120
 ttctcacttg caaacttggt ttaagcactg atccaattgt ttcaagggt ctgcttgaca 180
 tgtatggcaa gcggggagac ataattgaat ctcaaagagt gttcaataag acacttgaac 240
 gaaccagtt tgcttgga accataatat tttcctatgc ccacctgga gactttgagt 300
 aagtgatgag tttgcataca gaaatggaaa ggtaaggaat caatctagac tccatcactt 360
 tcctttttat tttgggtgca tgatgtagaa agggcatggt tgatgtcttt g 411

<210> 8876
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 8876
 tcaacatcag actacttcca ggtgctgga actgcttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaaaaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgatcatcaag agaatcagga gtgaccatgg 240
 cagagagttt gaaaacagca ggttactga attctgcaca tctgaaggca tactcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360
 gcaagaagct gctaggggtca tgcttcatgc caaagaactt ccctataatc t 411

<210> 8877
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8877

ttgtaaataa gcagataaca tgaatggcta taaaattcat accgccttgg cttccttgta 60
 ctcatcact gccttgtggg aagcataact gaaattcaca tcagggtccca actcggggac 120
 aataaagtgg ctggatcaat gcacataaat caatcaggtc agtcatggca tcaccagtaa 180
 ttcttcggtt ttttaattata aaactccttt tagaaattta tttatttcct tttatatttt 240

tttttaattt ttaaataatat tatttattta ttttcactat atatctttac ttaattattt 300
 tttttcgaaa cattaataag aaacaattaa gtggacagag agataagaaa aaaatgtaat 360
 tntggcatga tagtataaat aattgacaga tttaatataa ttaac 405

<210> 8878
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 8878

tcttcccaca aggaaagaat acattgagag ccaaagtgtt ctcatcttcc tttctttgat 60
 atattgatca aattcttctt ctgcctctgt gatctttatc tctatagttt ctttggcttt 120
 cttctgtgtc aggcatttgg gaagaactag tgcattctct atgaaggctg agccaccctg 180
 tgcaatgaat gggcatgtgg catgcattgc gtcaccaaca attttactg tacctttctt 240
 gaatttgta aagaccaagt ccaatggtgc cctatacttc aactcagtaa aatgtaagaa 300
 gctcaacatg caatttcgta ttatctccac tatcccatct gggaaacctt tcattgattc 360
 tattaatgac tgtctaataa gaattgggtc 390

<210> 8879
 <211> 515
 <212> DNA
 <213> Glycine max

<400> 8879

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 atgaacaacc aatgaaaca tgacagtga gaataaagga ggaaatatca tttccatgtg 180
 gtataaagtg agaacaactt gattttgtaa ttagtctaaa tccttaactt tcaataattt 240
 aaccacatat ttttttaaag aatgagcata actcaattaa tactgttgaa acctcatctg 300
 acaatgtaga tcacatggct aatggtagca attgccatac caatatgtga caattgtgac 360
 tcttcaacgt tccagtcaac tttagatttt ctgagtcgat acaccaagaa atgttgcttg 420
 aataaccatc tgacacaatg atattcttta aggtgttaaa aatgttctat tacctttact 480
 atccaaagta aagatagttg gagaatatct tccat 515

<210> 8880
 <211> 654
 <212> DNA
 <213> Glycine max

<400> 8880

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aaagaccaaa acatccaagc tcactgaaat atttctagtt tttcttgtaa taacttgtct   180
agaggataaa caatagcaac aacaaaagtt ttatcccacc aagtgagatc agttacatga   240
atcgcacaa accaacttct ttcgatgttc ttctagtctc cctatcctcc ttttcatggg   300
gcaaaaaacc atgcaatatg ctctcctcac tgattattcc ttggtataga ggtagctcaa   360
tccaaggaag gaattatcct ctacagagag aaatatgctt tggatatttt ggaagagata   420
ggcatgatta attgtagacc cattgatagt cccatggatc caaatcaaaa ttttaattggt   480
gaaactaggt gaaccatatt cagatccaga aagatataga agattagttg ggaaactcat   540
ccatcttact ataaccagac ctgacatttc ctttgcagtt gggtcgatag taagttatgc   600
aatctcctta tgttgatcac taaaaggctg ttcttcgcat tctcaggtat atta       654
  
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<210> 8881
 <211> 528
 <212> DNA
 <213> Glycine max

<400> 8881

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ataagaggat tgatgaactt ttccaattaa agatgtgggt gtgtgtctct gatgactttg   180
acattaggca gataattatt aaaatcatca actgtgcttc agcttctacc tcagctccat   240
caattgctct tgctcaccat gaaagcatta acaacttata tattgagcag ctacaaagtc   300
agcttagaca caagctttct ggtctgacgt atttactggt cttggatgac atatggaatg   360
atgatcgtgc aaaatggata gaactaaatg atttaataaa agttgggtgca gtgggaagca   420
aaattttatt gacaacacgg agtgactcaa tttgcttaat ggtgggcact gtccccctct   480
  
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atgtttttaca atgcttgtct gtgtagaatt ctttgtccta ttttcatt 528

<210> 8882
<211> 313
<212> DNA
<213> Glycine max

<400> 8882

ctgagaaagt ctttccacac ataatacaaa aaggtaactg gatagaggat atctttgcct 60
aagaccctc gaaggattga aagcattact cttctcccca ttcaatagaa cttggaaaga 120
tgtgaaaggc atacactcgt aaacaatact aaggaaatgg tcatcaaaac ccaaaccct 180
caaagtgtga atgacaaaat ctactaaat gctatcatat gccttctcta gaacaacttt 240
gatcgccata aacccttttc tccctttaga tcttctcgtc ttatggaaaa cttcttgagc 300
catattacca tta 313

<210> 8883
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8883

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acattattgt cgntngaatt agctcagagc ttcagaattc aatntcgatg gtctcgatat 120
attacgggtc tcaatcagac atctgagnta aaaaagttat tatcgtttga agttgctgag 180
agcttcaaca ttcaatttcg agcgtctcga tgtattacgg gacttaatca gacatccgag 240
taaaaagtta tcgtcgtttg aattttgggc agagcttcaa cattcagtct agagcgggtc 300
gatatattac cgggactcaa tcagacatcc gagtaaaaag ttattgtccg ttgaaaatcc 360
tcagagcttc ggtattcaat ttcgagcgtc ttgatatt accggactca at 412

<210> 8884
<211> 450
<212> DNA
<213> Glycine max

<400> 8884

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atatatcgag acgctcgaaa ttgaatgatg atggctggtg caaattgaaa cgacaataac 120
 tatttactct gatgtctgac tgagtcccgat aatatatcga gacgctcgaa attgaatcctt 180
 gatgctctga gcaaattcaa acgacaataa ctttttactt ggatgtctga ttgagtcctg 240
 tgatatatcg agacgctcga aatttaatac gaaagctatg agcaaattca aacgacaata 300
 attttttact cggatgtctg attgaatctc gcaatatatc gacacgctct aaattgaaatg 360
 ttgatgctct ggtcgtatct aaacgacaat aatttttccg gcagcattgc acaattatctt 420
 acaatccctg gtcgatatta tttatttatg 450

<210> 8885
 <211> 595
 <212> DNA
 <213> Glycine max

<400> 8885
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 gaggtgcaat agaagaggta ttttggtgct attcagacaa caacattatt cccaaggctc 120
 ttagtcttga tttattacat gtttgatgac ttgatcgtga gaattgtaat caagctctga 180
 gtatggaatc ttttcatttg tcgggggttg ataggctaaa cttaatttcg tgtaatactc 240
 ttttttaata tagttattca tatttattac tcttcttctt ctcttaatgc ttgtttttaga 300
 ttgatcacat gttatttaat attacgaatt gatagtttag ttggtagaca ctcgtttgat 360
 tcttgaactg agaataatac ctaatgggat tgattctaga catagttcaa ttttaattag 420
 actcccttaa ttcttaaaca ttaatgtag ttatttagat tgattttcta agacattagg 480
 aattaatcta aataacttag acttttcacc taaggcatta tggttggaat ataactgtga 540
 attatggata aattgctgta attactagat tgatcaggat ttttgtattg aaaaa 595

<210> 8886
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 8886
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 atcattgtca tcattttttt tcgtcattga ggtgccactt aagctgccag gtctctccac 120

ctttgggcgt attctttgaa agatctgtgc ccttttttgc acatgttctg ttgttgcac 180
ctatccggaa ccatatccaa attgtgctaa tactgcctaa cgaaggcaaa cattatgtcc 240
ttccaagagt ggactcgaga aggttccagg ttggtgtacc aggtaatagc taccccagta 300
agattttctt ggaaggaatg tatcagcaat tcctcatctt ttgcgtatgc ccccatcttc 360
cgataataca tcttttagatg gttcttgggg caagtagtcc ccttgtactt gtcaaagttc 420
agttccttga acttgggagg gatgacgata ttgggttcta gggacaactc ttctaggtta 480
gcaatggcct taatttttac attcttcaat ggccctggac ctttcctcta gatgatccaa 540
ctttcctatt tctgtcat 558

<210> 8887
<211> 623
<212> DNA
<213> Glycine max

<400> 8887

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ccatacaagg atgatttact ttgtgtggca tgtccaaagg gaaaacaaat caaaaactcc 120
ttttcaagta aaaacattat ttccacctca acacatctaa acttggttaca tcttgatag 180
tttggcttag ctagaacaac atccataagt ggaaagaagt atgaacttgt catagtggac 240
gactactcta gatgttgaat tagagtgttt gaagatttga agactagtct taggatcttt 300
tgattttaat aattttgcat tgccaaacat atttctaaag ttatggaatt tttattggat 360
gttcttagac ttggcatgtt gagtgtttta ggcttttttg ttatcaaaca tgagaagata 420
taaaaagttt ctaagaggca ataagttcaa cactgtgtaa tagattactg agtttaagta 480
atcaattaca aagtattaga acaagaaaca aaacttacct ctcttgaaat attggcaagt 540
tttatcgaaa taactgatta ctaaattttg taatcaatta ccacttattg aataaattaa 600
atgcatctat aacttatgag etc 623

<210> 8888
<211> 626
<212> DNA
<213> Glycine max

<400> 8888

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gcaattaggt gtaacagata tccatgcaag aaattgtagt gtgggggtaca aaccactgta 120
tatttatcat atgattatta atgtgtactc ttctaaatta actaatacag ctaggataag 180
taccaacttg gttactggaa atatattatt tcgttatttt atggagcact tattagtggc 240
ttgtacaggg tacaactttt attttatatg tcacttgaaa ttgttatttg catgtaactt 300
tacaaataaa actgaaattg gttggataat gtagtgacat gactactgtt gaagattatg 360
ataaggggag atgacttccc ttcaaaattt gactgggttg atgttccata tatgtcttat 420
ctgttgactc gctctaaatc tggacaaata ttactcttca gtaactggag agaaacaggg 480
tgaatgatct tatatgggtg atttgttcta taattgaatc tccaatttat aattaaaatt 540
gagtcaagct ctacagcatg attattcatc tactcttaaa atatgtaatt actggtgacc 600
atacaatcaa tattgaattt tattttt 626

<210> 8889
<211> 339
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8889

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aattaagata ttacaaacta tttccccaat aaaaattcta tttcactttc tattcaagtt 120
acaaattccc ttaacaatga attccttaaa taatgattca natagaacaa tttgaatata 180
aatataaaaa aataatagat aaaagagggtt aagggaagag aaagtgaana ctgagaatta 240
tactggctcg gncacacnct tgtgcctacg tccagtcccc aagcaaccgg ctggagaagt 300
ccactatctt gtaaaatcct tctacacgtg ctgaacaca 339

<210> 8890
<211> 563
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8890

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acctttgggc gtattctttg aaagattcgt gccctttctt gcacatgctc tatagttgca 180
tcctatctgg agccatatca gaattgtact gatactgcct aacgaaggca accattaggt 240
ccttccaaga atggactcgg gaaggttcca agttagtata ccagggtgata gctaccccag 300
taagactttc ttggaagaaa tgcatacaaca ttttctcatc ttttgcttac gccccatct 360
tccgacaata cttttttagg tgattcttgg gacaagtagt ccccttgtag ttgtcanagt 420
ccggcacctt gaacttggga gggatgatga cgttgggtac taggaacaac tcttttaggc 480
tagcacaggc atagtctttg ccccttcaa tggccctgag cctttcctct agatggtcca 540
tcctttcctt tttccgtata cca 563

<210> 8891
<211> 537
<212> DNA
<213> Glycine max

<400> 8891
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agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcgata tgtgccagct agttactcaa gggacttgaa attcaagctc taaaaactaa 180
ccaaggcaa caagggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaataattga agaagatgag gaggtacta tggctcgatt tcttaatgga ttgactaatg 300
atatccggga tattgatgag ctgcaggagt ttgtagaaat ggatgatttg cttcaciaag 360
caatccaagt agaaaaacaa ttaataagga ggggagtggc taaaaggagt ttaccaact 420
ttggttcttt taattggaaa gacaaaggta agaaagatgg ggctgctact tctaatagat 480
ccacacctac ccatacaaa attcgtttca agtgcctaaa gggacccttt aaaagga 537

<210> 8892
<211> 231
<212> DNA
<213> Glycine max

<400> 8892
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accagatatc acttgtctca atctatttgc tcataactta gctatcagct tgtacataca 120
 tcccatcaag gagaatggtc tgtagtcac aaatgactgg cgatgttttag ttttgggaat 180
 tagagctatg aaagaagcat aactgcttct aggtagctgt catgcacatg g 231

<210> 8893
 <211> 593
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8893

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 tagtatcttc attcaaccat caaacgtatt agagaaaaga agaatgatat tttacctcca 120
 ccttttccat tttcataccg gaaaagtttag aactttttaga taccttagga atgacatcat 180
 tagagtcttc aatgtattct ccctcttccc aacatatcaa gtcataataa acctcaactt 240
 ccgcagtgat tgttgtatat caccttgagg atcctttgct aattaacaac ccctgtaagc 300
 tcagagggtt gcacttaatt ctaattgagt gacctttata ccctgagaat attagtaatt 360
 ggaaggatat tttatatcat atctcctcta ttatatataa attaagacag atgattaatt 420
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 acctttcttt atttaattta tcaactattgt tttaaagtat taagaatata tatatttagt 540
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<210> 8894
 <211> 577
 <212> DNA
 <213> Glycine max
 <400> 8894

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 gctgggggca agtaaatttt ctcccatca gaccttgga gcaactgtga tcgtatgcc 180
 atataagcta gatcttgacg agtattcaag ccaccttcg tcttgccctg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccatat gcataacatc aatacaatgt 300

ctaacgtcaa gatcagacca gtacggaaga tcaaagaaaa tgaacctctt cttccataag 360
 caaatcttac ttttatcctt cttttgggtc ttccaaata cagtattcag gtgttgaacc 420
 cgctgatata ccttctcacc agtcaatggt atcggcacia tatcgtgctc ttgacttcca 480
 ttaaaagcct tttttagtcg tctgtaagga tgattgggtg ttagaaaacg gtgatgccta 540
 ctatagacta ttattcttcc atgttatagt tgtatgt 577

<210> 8895
 <211> 511
 <212> DNA
 <213> Glycine max
 <400> 8895

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 tcgaagcaaa ttcaaacgac aataactttt tactcggatg ttcgaatgaa tcccataata 180
 tatcaagacg ctcgtatttg aaaacataag ctctaagcat attctaata taataacttt 240
 ttactcggat gtcggattga gtcccgtaat atatcgagac gcccgtaatt gaaaacggat 300
 gctcgtagca aattcaaag acaatatcga gatgctcgaa attgagcaat ggaagctctt 360
 gagcaattca aatggtcata acttttattt cggagggtccg attgaggcgc ataatatatc 420
 gagacgctcg aaattgaaca atggaagctc ttgagcaaat caaatggtca taacttttca 480
 ctcggtatgc cgattcaggg cacataatat a 511

<210> 8896
 <211> 510
 <212> DNA
 <213> Glycine max
 <400> 8896

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 gattgctcta tgattacttc acctatgctt tctaggatga ctccagccct actccctttt 180
 ttcattggat gaaccatcta cgtatagctt ccacctctca gattatgggt ctgtagtggt 240
 tgtcattttg gctatgaagt ttgctaggca ctacgccttc attggaccta ttggctcata 300

tttaagccta aacttggaca acttgatcga tcaggctatc attcgactcg tgagttctgg 360
 tttcttcata actgttcaga taggggtggtc agttcaaacc acaatctaata gacttttgga 420
 agaaagatgg gcttagtctc cctacaattg tgactagagc ccaaggctaa cttttcatta 480
 tttgatatca tggctctgca ttttttagga 510

<210> 8897
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 8897

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 aatgaggggt tatgtgtagt tgattaatta gggtttagtg ttacttggct agttaggggt 180
 tgggttatat gaaaaaatag ggttgcttga ctaattgggt ttaggggtat ttgacaaata 240
 aggggttaag gttacttgac aaattcaggt ttaagggtat ttgactaatg agggtttggt 300
 ggtagttgac taattatagt ttattgttat ttgataaatt ggggtttatg acacttttat 360
 taatctt 367

<210> 8898
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 8898

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 aactcggat gtcggattca agcgcataat atattgagac gtcgaaatt gaacaatgga 120
 agctcttgag caattacaat gggcataact tttaactcgg agggccgctt cacgcgcata 180
 atattttgag acgttctaac ttgaacaaag gaatctcttg aacaattcaa attgtcataa 240
 ctttttactc ggaggttga ttcaggcaca taatatctct agacgcttga aagtgaacaa 300
 aggaagctct tgagcaacac aaat 324

<210> 8899
 <211> 366
 <212> DNA

<213> Glycine max

<400> 8899

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actgattaga ggacacaaca taacgaagac gcataaaaat gaacagcgga agcttccgag 180
aaaatagaat ggacatacac ttacacacgg aagtccgaca cggcgataga atatatcgag 240
actctcgaaa tagaacaatg gaagcgcttg agaaaaacga atggccataa catttaaaac 300
ggatgactga accgtggaca taataaacag agacgctcga aattgaacag cggaagctca 360
cgagaa 366

<210> 8900

<211> 458

<212> DNA

<213> Glycine max

<400> 8900

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aagtcgcacc atgaccaaat ctctatgtc aaaatggaca tctctacact tcctgtcagg 180
tgtgtgattc attgccagat gggccttctg aagcttcttc tttatttcag cacaaataga 240
ttctctatct gataagaact catccactgc ctccactttc gacgagcctg taatatacca 300
tgacaagatt ggtggtttcc tcccaaaagt aattttgaat ggtgaaacac ctaagcctga 360
gtgttgcgac gtgtttgtag accattttac ctatttaaga agcttgcccc aagaagaatg 420
tttcttttgg acgacggcat gcatgtattg ttcgatca 458

<210> 8901

<211> 380

<212> DNA

<213> Glycine max

<400> 8901

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tgagcaacct gaagcttatg ctgccaatat ttataataga cctcctcagc agcaaaacca 180
acaacagcag aataattatg accttctcag caacagatac aatccacgtt ggaggaatca 240
tccaaatcta agatggacaa gtcctttaca acaacctcag cctgtccctt ctttccagaa 300
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acatagacaa caagcaactg 380

<210> 8902
<211> 531
<212> DNA
<213> Glycine max

<400> 8902

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gtgcccact tgctccacaa agtcctccaa aaatgcaaat catcaagcct aggtatagga 180
tgcctatatt taatgggtgat gttattaagg gctctactat cagaacacat gcgccatgtc 240
ccatcctttt tagggaccaa aatcactggg acagcacaag gactcactat atctcttacc 300
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<210> 8903
<211> 604
<212> DNA
<213> Glycine max

<400> 8903

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acaaaattca atttcaaatt tatgtgaaat ttgaatagaa attcaaattt ccctccaatt 180
ttgtgtgaca cttaggctat aaatagaggc catgtgtgtg cattttttga actttgataa 240
tttgagaatt acacttcaaa tttcagacct catttgaggc acaaaatfff gtgctccttc 300

tcccttccct catcttttcc tctttcaagc tcttatccat ggctttctac ggtggtgagc 360
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 ttccactgcc atgatcttta agaatcaaag gactccattg atgaagaaga tccaaggcct 480
 accagctcca catggagcta catcatgtga tatcaagagc attttcatct aggtgatgtt 540
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 attc 604

<210> 8904
 <211> 613
 <212> DNA
 <213> Glycine max
 <400> 8904

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 tatttgatta atcacacca cgtttcaaac tttcatgggtg aagtcacca taatatcttg 180
 ttacgtttga agattctttc atctccattt gattataaga gattcaatag tgagatttta 240
 cttcattctc aactaggggtt cgttccaaat acctatatta gtaccatttc ccaactttca 300
 tttatatcct ttctttatga ccatttttaga agagaacata cttcaccatg taaatgatgg 360
 gttgtgcctt actaaagctt ccatacactc ttcccttaag aaatatttag ccttgatgac 420
 tcttgacagc aaaacattta gcatagaaaa gatcctccat tattgctttc ctaaccatgg 480
 aaagttgaaa gcaaatatat ttctaaaacc taaccctaatt ttctctttat aacacataac 540
 cctgtccaac accatccaat ttaaccctt tctacctct ttttctctaa tccccaccaa 600
 tctgaattta tca 613

<210> 8905
 <211> 549
 <212> DNA
 <213> Glycine max
 <400> 8905

cttatttctt ttccatcgat tgttttcttt taccattaat agattagcaa atgatagcaa 60
 gatcacagca aacaacacat taagaaggaa gtgtaaata gatgcataaa tatgaaagat 120

gagtataaat catagcatag agagcagtgg gtcaataata gcaatcacgg ctaaaacctg 180
cattattttca tgaagggata agttctgcag ttcttacatt acatcaagcc aatgatataa 240
catgacagca taccttgaga cctgcaaaaa tatatagcca gatataatta ataaaaagaa 300
aatatagtat gatgaacctt aactaaaaat accatagaag taagattcaa tcaattgaga 360
caaagaaact tctaacaaag aattatgaag cttcaatttt tataaccoga catacatggg 420
ataaagtaca attaatatta aaatgaacag atacttcaat gataatgaaa agatacttgc 480
tgtataatca aatttgcaac gagcagaaaa caaagaaggt ataggaaaaa agtcccgtct 540
ttgcttggg 549

<210> 8906
<211> 373
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8906

aagttttctt gacattgctt gttgctttta ggatggagat tgaagaggt tgaacatata 60
cttcgtgatg ggtatgatga ctgcatgaaa catcatattt ggggtgttggg tggaaaatct 120
ctaatacagg ttagtggggtg ggatgatgta gttaacatgc atgactttgt tcangacatg 180
ggcaagcgaa tagaccaaga ttcctcataa gatccagga agcgaacgag attgtgggta 240
acaaaagata taattgaagt tttataaagc aactcggtta gtgagaggat ggcttcttat 300
cttgattggt ttttctatct tatctttaca tcatagacaa agctttgtat gataattcgg 360
aattttttta aca 373

<210> 8907
<211> 588
<212> DNA
<213> Glycine max
<400> 8907

agcttggact tcctgtgttt tgggaacctc tcttttctct tttgtacca aaccaatca 60
cctgggttcaa gcacgacttt ctttatgctt ttgttggctt gccttgcata gctcgcattt 120
ttcttttcaa tttgaacctt cacttgctca tgcaactttt tcacatactc agctatagcc 180
tgtgcacct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240

aaaggattaa atccatacac tatctcaa at ggtgaacaat tttttgtgct atggacagcc 300
cgattataag caaactcaac atgaggcaaa caggcttccc aagatttaag attttttttt 360
aaaacagtcc taagcagtgt gcctaaagtc ctattgacta cctcagcttg accatcagtt 420
tgtgggtgac aagctgtaga aaacaacatt tattaccaat cttacccac acggtccttc 480
acaagtgact aaggaatttg gatccctatc acatgcaatg ctccttggtta atccaagaag 540
ccgccctatt tttttgaaaa actgatcagc cacatgacaa gcgtcatc 588

<210> 8908
<211> 432
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8908

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atattccaag aatatgccaa aggggaggaa aactacacac atctcttcaa tagctaagct 120
cacacccatg tcaaaatata cgaaaatata aaagaaagtc cctactacaa agactactca 180
aaatgccctg aaatacaagg ctaaaaccct atactactag aatgaccaa atacaaagcc 240
caaaagaagg aaaacctatt ctaatattta caaataagag tggaccaac cttggcccat 300
gggctcagaa atctaccctg aggttcatga gaatcttagg gccttcttta gcaactctag 360
ctcaatcctc tggagtcttc tatccaatac ccttgngga taggattgca tcatccctc 420
ccccttgaaa ag 432

<210> 8909
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8909

acttgatgcc ttggtcattc tagtaactta tctngccatg aataaaaaat ctgcacatgt 60
tacaagagtt tgttgtctat gttcttctgc agatcatcat acagatcttt gtccttcttt 120
gcatcaatct ggagtcaatg agaaacctga agcttatgct gcaaacattt ataatagacc 180
tcctcagcag caaaaccaac aacagcaaaa taattatgac ttttcaagca atagatacaa 240

tccagattgg aggaatcatc caaatctgaa atggacaagt gtcataccct aatttcgtcc 300
 ggngaccatt gtttgatggc atgcaacctt tggttgaccg cttcgaggta cttggcacc 360
 tttgctgcac aatacttgaa gtttcgagac at 392

<210> 8910
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8910

nggctatctg attatgcagt gcctcctagt tgactagagg aacagttggt ggtcgcccat 60
 gagcacactg cacagaaaat tcccattttg tcaaaaatgc tgcctttcct ctcaatagat 120
 tcacaaacat gaaaacgtat atcttacttg gaaacaaagt gatgtatggt ttagctcttc 180
 aactataagg gaacattctg atggtagcaa tgaatcccca aacataattg caccttcaat 240
 aaaagagcat tatgattaaa ttaaaggaat actaccaaac ataattgcac cttcaataaa 300
 agagcattat gattaaatta aaggaatact accgatgact gcaatatgcc ctcccaaat 360
 aaggaaatct gacaggatcg ggctgccaac agatgggggt ttcatgcata gtattgangg 420
 aaaacaaagg taatatcata tgtttctg 448

<210> 8911
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8911

agcttgttgt ttgcgacgcc aacggagact actcaacacc atcggattca tattcatgat 60
 cttgatcttg atcctcgtac gctgttgatg aggagcgggt tgagtggcca gtagttttga 120
 aacggtgtag tgtggggcca gtggagtgca ctgttgaaga attaccaatg gggcttccat 180
 ccatgattcg tgcactcgac tttcctagcg tcaactgctcc tccctgcttc ttcttcgcag 240
 ccatgtgcca tttcttcaga gccttggttg tttgctcgtc aaatattgct gntttcatcc 300
 ttgaacccat ctgcgtgtat gtatgtgtgt gtttacagt atacattgtc gtcaattaga 360
 ccaattcaaa cgtttatagc ttgcaaaagt aaatcgtgta atattaca 408

<210> 8912
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 8912

attatgcgct tgaatcggac ttccgtgtgt aaagttatga ccattggaat ttctcgagag 60
 cttccaatgt tcaatttcga gcgtctcgat atattatgca cctgaatcgg acttccgtgt 120
 gacaagttat gaccatttga atttctcgac accatacggg gttcaatttc gagcgtctcg 180
 atatattatg cgcctgaatc ggacgtccgt gtgacaagtt atgaccattt gattttctcg 240
 agagcttccg ttgttcaatt tcgagcttct cgatatatta tgcgcctgaa tcggactttc 300
 gtgtgacaag ttatgaccat ttgaatttct cgagagcgtt cgatgttcaa tttcgagcgt 360
 cttgatatat tatgcgcctg aatcggac 388

<210> 8913
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 8913

agcttctaga tatattatgc gccggaatca gacttccgtt tcaaaagtta tggccatatt 60
 aatttctcga gagcattcgt tgctcaattt cgagcgtctc gatatagtct gcgcgttaat 120
 cggacttccg tgtgacaagt tatgaccatt tgaattactc gagggcttcc gttgttcaat 180
 ttcaagcttc tcgatatatt atgcgcctga attagacttc cgttacatag gtatgaccat 240
 atgaattgct cgagagcctt cgttgatcaa tttcgagcgt cttgatatta tatgcgcctg 300
 aatcagactt tctggtgata tgttatgacc actttaatt 339

<210> 8914
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 8914

acctgctcat atactagacc ttctacatta atgttgctct caagaggctt gaaggttgca 60
 gaaccttggc agaaggaacc aaggcaatca tcaacttggg tctcgaaaag gttcctgtcc 120

ctggagagtc tggttttcca tttccgggcc ttttccctct tcttcaatca cacaaggaag 180
caggtgaatc ctgtcatcac tattctttca tcttgatttt cttatgagca gatgcataat 240
taagcttagt tcaatcatat atatagtcaa tatgttagta gttagcttta gatttaatta 300
ctcatttagt ccttacagct acacaaactt taccttttta gtttttatac ttaagaatta 360
tccatattgg tccctaccca tacaattttt aatccggtga tataattttt atccctttt 419

<210> 8915
<211> 355
<212> DNA
<213> Glycine max

<400> 8915

agcttgtaag gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catctttcca aacaaagtca ggtagccat aactcgctg tgctttttct 120
tccatgctat atgtagctaa gtcattgac ctgtgaagtt tgatgagctg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaagtgtg tgggccagtt tatctacggt 300
ggatgtaccc ggttgagcga tacatgaaga tcttaaaggg tatacaaaaa atcta 355

<210> 8916
<211> 426
<212> DNA
<213> Glycine max

<400> 8916

atgatgcaac tgaggtagga gctattttca tgcactctct ctaatgatta tggcatcata 60
tctggcgcta aactgctgag agttggaagc catcttctca attaaatttc tggcttcagc 120
aagagtcatg tttccaaagg ctccaccact ggcagcatct atcatacttc tctccatatt 180
actgagttct tcataaaaaat attggagaag aagctgctcc gaaatctgat ggtgagggca 240
actggcacac agtttttttaa atcgctocca gtactcatac aggctctctc cactgagttg 300
tctaatacct gagatatctt tcctaattggc ttgggtcctg gaagcagggg aaattttttc 360
taagaatact ctcttaaggt catcccagct cgtgatggac ctttgagcaa ggtaatacag 420
ccagtc 426

<210> 8917
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8917

agctttgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240
 gggagagagg ataacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcactg caatagagga ggcccaagac attngcaaca tgagagtaga 360
 tgaactcatt ggttctcttc aaacctttga gctatgactc tcggataggg ctg 413

<210> 8918
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 8918

agctgggttaa aattgactta aaatcatctc tgtgcactag tgatagatac cataatttca 60
 ttttgttcct taacctttga attgttgggtg aattttatct cttcaaatta aagtgcata 120
 ttttacatcc aactttaaaa aacttgtgaa ttttatccct agttaattat ccattaaaag 180
 cttgtcataa aaaagttagg agtaaat ttt accaaaataa ataaaaaaca atgggggtaa 240
 aaaaatgagg agtttagaat aaaaagtgca attatgtcta aagtataaaa acaagggtt 300
 aaatttgcac aattcttaaa attcatgggt aaaatcttc 339

<210> 8919
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8919

ggagaattga ctaagaaatc actacgcana gcttcaaact cgaagggtgga ggacacatga 60

acgaaaaacgc aattcatggg ctctaaaaa ggggtggagaa tggagaattg cactaagcaa 120
 tcactacgca tgggtccaaa ctggaagggtg gaggacacat gaacccaaaac gcaattcatg 180
 gggctgcgaa aaagggggttg agaattggaga attgaactaa gcaatcacta cgcattggctc 240
 cataactcgaa ggtggaggac gcatgaacga aaactcaatc catgggtgctc cgaaaaaggt 300
 gagaatggag aatngcacta agaaatcact acgcaaagct tcaaactcga aggtggagggt 360
 cacatgaacg aaaatt 376

<210> 8920
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 8920

tgagaatgga gaattgcact aagcaatcac tacgcatatc tccaaactcg aaggtggagg 60
 acacatgaac gaaaacacaa ttcatggggc tccgaaaaag gggttgagaa tggagaatta 120
 cactaagcaa tcactacgca tagctccaaa ctggaagggtg gaggacacat gaacgataac 180
 gcaattcatg gggctccgaa aagattgaga atggagaatt gcactacgca atcactacgc 240
 atagctccaa acgcgaagggt ggaggacaca tgaatgaaaa cgcaattcat ggggtccga 300
 aaagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcgaagg 360
 tggaggacac atgaat 376

<210> 8921
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8921

gatacagggg tgcccagtga ggctgttaag cgggttgagt agtccatggg agttgaggcg 60
 ggctcgagaag caaacatgcc tgagtcagac aatatatcca agacatattt tcattgagat 120
 aagtgaatgc ctttgttatt gcgagcaact tcaaggccga gaaagaactt taagggtgcta 180
 aggtccttaa tgctgaaagc tgtatcaaga aggtttgtga tatgtgtgat ggtgtcgaga 240
 ttgttacctg ctaggattat atcatcaacg tatacgagaa cagcagtgat atcatgggtta 300

tggaagtgga gaaagagggg atgatctgtt gtagattgac ggaagtcgtg ggagatgagg 360
aaagaagaga gtcgtgtgaa ccattgacga ctggcttgtt tcanaccata taatgaaca 419

<210> 8922
<211> 429
<212> DNA
<213> Glycine max

<400> 8922

agcttatggc ggcaaagggg aagctatcat gcctcaagca tgttgatggt ggtgcttgtg 60
aacattgtat ccttggaag cagaaaaagg tcagtttctc aagggcaggg aagactctga 120
aagctgaaaa gctagaattg gtgcacacag atgtttgggg gccagcccca gtgaaatctg 180
ttggaaactc acgctattat gtcaccttta tcgacgactc taccagaaag gtatgagttt 240
atcttcttaa aaataaatct gatgtgtttt ctgtgtttta aaggtggaag acagaagtgt 300
aaaatcagac aggtctaaag gttaaaagtc tgaaatctga caatgggtggg gagtatgata 360
gtcaggaagt taaagacttc tgttcagaac atgggatcag aatgatcaag acaataccaa 420
gaacacctg 429

<210> 8923
<211> 420
<212> DNA
<213> Glycine max

<400> 8923

agcttaccac ctctcccatc atgcaacctc cgatttgaga gcttccattt gagatcatgt 60
gtgatgcctc taattatgca cttgggggtg tttttgtcgt agagagttaa tagactatca 120
cacatcattg cttatgtatc acgcactcta gatgtagcct aagtcaacta cagcaccacc 180
acaaaggagc ttttagctat tgtttttgca tgagataaat taagatctta tttgctttgc 240
tcccatatta ctgtctatac tggccatgca gccttgaggt acctattgaa gaagcttgat 300
gctaaattca gattgatcag atggatgctt cttcttttagg agtttgatat tgagagcaga 360
gacaagaatg gagcagaaaa ctcggtggct ggatcattga gcatgattga gggacgtgac 420

<210> 8924
<211> 417
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8924

tgaacaacgg aagctctcga tttaatcgag tgtgtcataa attttcacac agatgtccga 60
ttcggggaaa taatatatcg agacgcacga aattgaacaa cggaagctct cgagaaantt 120
gaatggtcat aacatttcac tcggatgttc gatccgggga cataatttat cgagacgctc 180
gaaattgaac aaccgaagct ctcgacaaat tagaatgggc gtaacttttc acgcgaatgt 240
tcgattcggg gacataactc atctagacgc tcgaaattga acaacggaag ctctcgagaa 300
atttgaatgg tcataagttt tcacacggat gtccgattcg ggaacataat atatcgagac 360
gatcgaaatt gaacaacgga agctctcgag aaaatcgaat ggtcataacg tttcaca 417

<210> 8925

<211> 229

<212> DNA

<213> Glycine max

<400> 8925

cccatttata actacgatgc gaaacagatt tatgtcctat gggtatgaag aactggaata 60
tacatgcatg ccctaataatg tgcatctcatt acataaatta gattttttgaa gatgtcacat 120
gccccacacg cgggtgtatca catttcaaag tgaaagatga taaatgtagt gatgaggcaa 180
cctcatgcaa caaccatcca acaaagggtgt gctgggtatct ttcaattat 229

<210> 8926

<211> 365

<212> DNA

<213> Glycine max

<400> 8926

tgtagacatg caagcttcac acaatttatt tttcccaaac ttgagttttg gaagatcaat 60
tactaagtct ttctaacta gatgattgag atgatgcatg tttatgtgtg cagttctacg 120
atgccacaac catgaatcat ttatcttact taccaaacag atcaactcat gaaatgatgc 180
atgttcaatg ttttaacatat agatattacc tattctcttg ccaatatgga caacatcaca 240
gagcatagct tcactagtaa gacaaaaatt cttggttgaat tcaattttga agcctttgtc 300
acatagttga ctaatgctca ggagggtatg ctttagttca tcaacatata gaacattctc 360

tat

365

<210> 8927
<211> 414
<212> DNA
<213> Glycine max

<400> 8927

cttcatgctt aagtatgtat ggcaaaactt cattactgtt gatcaagaca tacaagtgag 60
cttghtaaca atgttctaca cttggagtga tcacatgcag tcctcttgaa cccttaccac 120
ccactctgtc atcatgccaa gactcaggaa ggccaacagg tttagccttc tctaagtatt 180
ttgaacaaaa ttcaatggct tcttctgcaa tgtacctctc aacaatagac gcttctggac 240
gatatagatt ctttgtatac ccttttaaga tcttcatgta tcgctcaacc ggggtacatcc 300
accgtagata aacaggacca caacatttga tttctctgac caaatgcaca atcatgtgaa 360
tcatgatgtc aaagaaagca aggggaaaat acatctccaa ctggcacagt ataa 414

<210> 8928
<211> 361
<212> DNA
<213> Glycine max

<400> 8928

tagagcacct cctttcttac ctcttccttc atcgggtggat tcaaccgcct ctaggtttgt 60
cggactggct tgtagtcttc ttccatcatt atcctgtgca tgcagtaagc agggttgatt 120
cctttgagat ccgatatgtg ccatccaatt gctttcttgt gtttcttcag aatgtctacc 180
aacctgtttt cttcttctgt tgtgagtgca ttactgatca ctataggctt atcttctctc 240
aagaacatat acttcagatg attgggcaat atcttcaact ctaccttctt cttctcggac 300
gaaacttctt tcttttagtgt ctcaaatcg gcttctcctt caggaatact gtcttgatga 360
t 361

<210> 8929
<211> 404
<212> DNA
<213> Glycine max

<400> 8929

agcttaacaa agttattcaa catagaaaat aagattatga agtagtaact aaatggtagt 60
aattagttga tttcaaacaa aatgtgagga taaagaaaat attgtagaca accttccaat 120
gatgcaacaa tgcccctgaa attttttggc ccaagcttgt gtagatcctc agcaacctag 180
attggatata tgcaaacatt tatccctaga accacaacag cgcccaatgc aatgagaaaa 240
atctatcaac agctgtttca acaaactctc ctgtatgata ccctgataaa taatatagca 300
ataggtgatc aagaacacac gaaaaccata ttcacaagct ttcattggtg gatattgttt 360
tgcataatgtg gcacaaaatc ctaccactca caggtcataa tcct 404

<210> 8930
<211> 400
<212> DNA
<213> Glycine max

<400> 8930
tcgctcgaag gcaaactgga tgcattgggt aacttggttaa ccagctggc cttgaatcag 60
aaatctgtac ctgtcgcaag ggtttgggt ttgtgctcct ctgtgacca ccatacagac 120
ctttgccctt ccatgcagca acctggagca attgagcagc ctgaagctta tgctacaaat 180
atttacaata gacctcctca acctcagcag caaatcaac cacagcagaa caattatgac 240
ctctccagca acagatacaa ccctggatgg aggaatcacc ctaacctcag atggtccatc 300
cctcagcaac aacaacaaca acctgtcct tcctttcaaa atgttgctgg cccaagcaga 360
ccatacatc ctccaccaat ccaacaacag caacaacccc 400

<210> 8931
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8931

agctntgaat gctctattca atgagagtta caagaatatc ttcagactga tcaacacttg 60
cacagtggcc aaggatgcgt gggagatcct gaaaaccact catgaaggaa cctccaaggt 120
aaagatgtcc agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga 180
agaatgcatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcaactgcctt 240

gggagagaag atgacacatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atatgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga 360
 tgaactcatt ggttcccttc atacctttga gctaggactc tcggataggg ctgaaa 416

<210> 8932
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8932

cagaccaagc ttggaaagat tatcaccatc atttagtata catcgttcat aatgggccac 60
 cacttgaaaag agggcttgca ccagcgtaga ttttccattc cctgtcctgt ctactatacc 120
 aattttcttt tgtcctgaga agatacaagt aacatctttg aggaccatag gagcagcagg 180
 gtcattctgt atatgaaggc tatgaagttc aacttttccc tcctttggcc actctgggtc 240
 aggcctgcaa tcttgaatgg tagaccttgg caaagtaacg aagatggctc aagaacaaaa 300
 tacaagacca tattgaagag gaaatngatt ctgacagaca accattccaa gctgccaaaa 360
 ttgtaaaagg ccacctgaga ataatcatca attagagcct taactttgat caagaatag 419

<210> 8933
 <211> 446
 <212> DNA
 <213> Glycine max
 <400> 8933

acctgtggca tgcaagcttc taaacaaatt tattcaagca aatgaaattt gagaaatcca 60
 gaacacatca aaagatgaaa caagaagaat atagggttgt ttggataaac aactataaaa 120
 gggcttattg aataagtatt tatcatgtaa gcacttgtat agttttttata atcaaaaaag 180
 aaataggctt aaactatttt catataagtt gtaagggtgt tttcataata ttttggagag 240
 gttactgaaa taagctaaaa ataacttatg aagataacat tagttatttt cataagcttt 300
 ctaaaacact tacacaagtg cttatatagt tatatcataa gataagtcca aataagtagt 360
 aaataaggctc ttccaagcat acccttaagt tattgaattt gagagaatta aattaacaaa 420
 ataaaatagt caaaggacaa taaaat 446

<210> 8934
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 8934

gtaccttggtc attatgtggtt acatggaata tcactaatat gagattatcg tatgggtggct 60
 acctagctaa gggagaaatt tctgagtcaa tctgtaatga agtcaattca attgtagttc 120
 ttgtttctttt gtcattgtgtc tgatccattt atgaagatag gcatttccttt agctctggca 180
 atattttggct tatgtctggt cttttcagct gcagttggta aaatgcaaga caaggcaatc 240
 tctacagctt tccatgcaga attgacattg aatgcttcct ttaacttcgg atcaacaatg 300
 ttatgaatat ctctcttttc aactatggga ataaccatt caaggatgtg aatatttttt 360
 caggcgtcct tgata 375

<210> 8935
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8935

tgctaaccce tggaagctcc taatatctcc cacacttttt gtgggtgggcc attcttggat 60
 ggccttgatt ntctcagggt ccacttggac cccatttcta ccaactacaa aacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatatatt gcatagaggg tgtttttcct 180
 aaggactgaa agaacttggtc tgagatgtcc taagtgatca tctagcctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttgggtgcatt agtgagccca aaaggcatca ctagccattc 360
 atacaaacca aacttgggtct tgagaagcag ttccactca tcaccctttt tcacctgat 420
 ttggtgataa ccactttta 439

<210> 8936
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 8936

agcttgcaca gtttttatta ggtattaatt gttctgcata tctaacaatc gtgggttttaa 60
attgctgttg tegtgtcgat ccttgacatt gcgtgaaaat gtgtttgtca tgatttggtt 120
gcagagaatc gtaaaatcctt tatgttgcgg tcgcaattgt gggtatatat ggatcatgat 180
ttaaaaccat actaacaatt ttgcgctttg tgtttatcaa tcgattaatt gatgattgaa 240
tgtgaaaatt aatagaagtt tttggcaatg tagggcaatg agaggctcca acaactcaag 300
aaggggctta tcaaaccaat acgatgggcc atgcaaggcg acaaacccca ttgacaaatg 360
ttggagatgt gacccaatt ggga 384

<210> 8937
<211> 413
<212> DNA
<213> Glycine max

<400> 8937
agcttgttac tactattaga tagctactaa tactattgca aactgtaatt gtttttttaa 60
cttaattata ttacacttgt ttatgtatgt gtttttctct tgacttaaata ataattttgg 120
tcattttatt ttactcaata cgtaattttg gtctctctat tttaaaatta aaatatttga 180
tactcctatt tttaaaaatc tacaattttg gtctctctat tttaaaatac aaacattttg 240
tccctatatt ttaaaaaatt cataatcttg attctcatat tatagaaaat tcacaatttt 300
ggtttaatat ataatttttc ctatgtatta tttcttttat tttttacttt gcagttaatt 360
aaatcatttc ttgatgatat cttaaatgaa tatgtagatc tacgatttaa tta 413

<210> 8938
<211> 292
<212> DNA
<213> Glycine max

<400> 8938
ttactctgat gtctgattgt gtgccgcaat atatccagac gctctagagt ggaataccaa 60
agctctgagc aaattcaaac gacaatatac ttttactcgg atgtcagatt gagtcccgtc 120
atatatctag acgctcgaaa tggaatactg aagctctgag caaattcaaa cgacaatgac 180
tatttactct gatgtccgaa tgagtccgc aatatatcgg aacgcttgaa atggatatgtg 240
gaagctctga gcaaaatcaa acgacaataa atttttactc ggatgtctga tt 292

<210> 8939
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 8939

atattacggt actcaatcag acatccgagt tataagttat tgttggtcga atttgctcag 60
 ggcttcggta tgctatttcg aacatcgctc aatactaccg gactcaatcg gacatccgag 120
 taaaaagata ttgttgctcg aatttgctca gagcttctgc attccatttc tagcgtttcg 180
 atcattttacg ggactcaatc ttacatccga ataaaaagat attgtagttt gaatatgctc 240
 aaagcttcgg tattccattt cgagctcctc taagtattac gggactcaat catacatccg 300
 agtaaaaagt tattgtcggt tgaatatgct cagagccttt acattcacat tcgagcgtgt 360
 cgatatatta ccggactcaa tcagaca 387

<210> 8940
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 8940

ccaccacaca gacctttgcc cttctgtgca acaatctaaa gcaattgaac agcctgaagc 60
 ttatgctgca aacatctaca atagacctcc tcaacctcaa cagcaaaatc agccacaaca 120
 gaataattat gacctctctc cagcaacagg tacaatcccg gatggaggaa tcatcccaat 180
 cttagatggt cgaatccttc acaacagcaa caacaacaac aacatactta ttttcaaaat 240
 gttgttggcc caagtagatc atacattcct ccaccaatct agtagcaaca acagcaacag 300
 cccc 304

<210> 8941
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8941

tgagaagcta gagcttagct acacacaccc atcttataac taagtcacc tccgtgagaa 60
 gctntcttga gaagctagag cttagctaca caccctata atagctaagc tcacccccat 120

gataaaaaaa catgaaaata caaaacaaat cctactacaa agactactca aaatgccctg 180
 aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc caaaataaga 240
 aaacaaccta ttctactatt tacaaagaag agtggaccca accttggccc atgggctcaa 300
 aaatctaccc taaggttcat gagaatccta aggccttctt tatcaactct agcccaatcc 360
 tcttggagcc tcttgctcat ggctctg 387

<210> 8942
 <211> 281
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8942

ctaganattc gaatgggtcat aagtnttcac acggatgtcc gattctggaa aataatatat 60
 cgagaccctc gatattgaac aacggaagcc ttcgagaaat tcgaatgggtt ataagtttgc 120
 acacggatgt tcgattcggg gacataatat atcgagacgc tcaaaattga acaacggaag 180
 ctcttttagaa attcgaatgg tcattacatt tcaactcgat gttcgattcg gggacataac 240
 tcaactagac gctcgaaatt gaacaacgga agctttcgac a 281

<210> 8943
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 8943

agcttgcaat agtggtgatg ttggatctct tcgcgatccc cagccggatg cagatagagt 60
 caatgaccca gaatgggtca ttgttattgg gggtttgtaca catttgggtt gcattccatt 120
 gccaaatgct ggtgactctg ggggatgggtt ttgtccatgc catggatcac attatgatat 180
 ttctggctga attaggaagg gaccagcacc atacaatctg gagggtccta cgtacactct 240
 cttggaagaa acaagttgat gaatggttga aaataaaagt ggttctgcat tcaagtggga 300
 tgagttaaca attattattt aaaaatttat ttgacaattg ttcaatgctc tt 352

<210> 8944
 <211> 236
 <212> DNA

<213> Glycine max

<400> 8944

aaacgataat atcttattac tcgtatgtcc gattgagtcc cgtagtatat cgagacgctc 60
gaaattcaaa acagaagctc ttagaaaaat caatcgacaa taacttttta ctcggttgct 120
cgattgagtc ccgtagtata tcgagacgct tgaaattcat aatagatgct ctgagcaaaa 180
tctaaccata ataacttttt acacggatgt ccgaatgtga cccgagatat atcgag 236

<210> 8945

<211> 373

<212> DNA

<213> Glycine max

<400> 8945

taacaactag ttttactttt catttggttg tatatactat ttttagtact gtgtactttt 60
cattgtcaca taggtaaatt tattgacttg tatttcattt tgtacagtta aacatggaaa 120
gagacgcagg aagggttttt aacggtttca aagaggggag ggttggtttt gctccactt 180
acaagtattc acataattca gactcttatg ctggtgagac tgtcaagtca aagaaaaaac 240
gccgaacgcc agcatggtat gcaagtcact tgactcttat tatataagtc actcaattaa 300
atgactagtg ctagctagat ggcttttcag tttttaataa agataggtaa ataaaaaatt 360
gttgacaaca ctt 373

<210> 8946

<211> 439

<212> DNA

<213> Glycine max

<400> 8946

tcgcttcttc acatagtccg cctatgctag accttcttta tgtttaaaaa cagaaacatt 60
aggcataggc aaaagatcaa gaggagttag tgggttaaaa ccataaaciaa cttcaaaagg 120
agaacaatta gtggtgctat gaacagctct attgtaagca aattcaacat ggggtaaaaca 180
agcttcccaa gtttttaaga tcttctcaa aactgtccta agcaaagttc ccaaagtcct 240
attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaatat 300
agtgcccaac ttgctccaca aagtcctcca aaaatggctt atgaacttat agtcctatc 360

actaacaatg ctcttgtgc aaccatggag tcttacaatc ttcttgaata acaaatcaac 420
cacattggga gcatcatca 439

<210> 8947
<211> 343
<212> DNA
<213> Glycine max

<400> 8947

agcttggatg caacatcttg gtcaaagata ttgcatgtta agaccttctt aagttttcga 60
cagggtcatgt aagggaagcg aattaaacgg gcaagtcgtg tacccaagac ttctcttctc 120
tcttctagat tcgggtactg tgttcgaacc cacttcaaca caaagtcata taccgcatcc 180
tctgatgcaa cctgaagttc gtcactagac aatattgctt ctattccagc tagaggcaag 240
cccataacct ctctctggaa cctggtcatg gtcatatgtg aaacttatta gcgttcaaaa 300
ggaagaaaac ttgttttgag attactaaaa tatagaaccc aga 343

<210> 8948
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8948

aatgagaagc aaatgtttca agatttctca naagtagttc aagaaattct aaaagttgta 60
agaattatat taaaaagata ttgaaatgca agtcaaggtc ttgcttttat agacccttca 120
tgtctggtca agaaaaccat tagaagagtt ataactttga gaaaaacttg aaaaccattg 180
gaagagttac atctcttgac tttntcttca aaacttgtca ctggtaattg attaccaaaa 240
ccatgtaatc gattacacaa agcattttat gaaaagatgt gactcttcac aatngaattt 300
gaatttcaac attcagatac actggttaatt tgataccaat atagtgtaat cgattacacc 360
a 361

<210> 8949
<211> 214
<212> DNA
<213> Glycine max

<400> 8949

agctttgtga agctcctgtt ttagctttac cggattttac tcaaccattt gaagttgaat 60
 gtgatgctag tggagttggc attggggctg ttttgataca aaacaaaagg cctatagctt 120
 atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180
 atgccattgt gagagctctt gatcattgga atca 214

<210> 8950
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 8950

ctaagcttct caggaagttt ctcaacgaag atacctatgc tattattaca agcatgtgta 60
 aactagttg tagctttact gaatgagagt cttatgaaac acacttcaaa gttcaacttc 120
 tctccctctt acctccttca atctcttgct cccccctga tgcaagctcc attggagctt 180
 gtaggcctag gatcttcttc atcaatggat acctttgctt cttggaagat gaatggcagc 240
 ggaatggaga atgaagagag agacgagacg cctcttcaag gagaatatga gtctagaaca 300
 agctcaccac cataggaggc catggataac agcttggagg aagaatgaga tgaatgactg 360
 gagagggaga gaagagcacg aaattatgtg ctccagatga gctttgaaat ctgaattcta 420
 atattcgaat gat 433

<210> 8951
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 8951

agcttttgac ggactatacc aagctctagg aaccagggac ggagaaagat ctatatatag 60
 gcttgctaag ggtagagaga ggaagactag agatttggat cacgtaaagt gtgttaagga 120
 tgaagaaggc aaagtcttag tgcataaaaa agatatcaag gaaaggtgga aggtgtattt 180
 ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
 ggaccggaac tataagtatt atcgctcgat tcagaaacag gaagtaaagg aagcgttgaa 300
 aagaatgagt aacggtaagg cgggtggggc agacaacata cctattgaag tgtggaaaac 360
 tcttgagat agaggtcttg agtggctcac caaactcttt aatgaaatta t 411

<210> 8952
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8952

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atgcaagctt ctccacttgt aacttgggcc taaattcaaa tagcatggat aacacttggt 60
gaagaacttc cttggccttc ttgatctag cccttgccat aggtcctcca agtccttcta 120
aagggttcctt gtccttattc cttgccttat cctcatcact ctctccctct tcaaaaggat 180
atgtcctcaa atcggttctt tcatctacat caaaaagatt tacgtcagac acattaaatg 240
tagcactcac attatactca ctgggcaatt caatcttgta cgcattgtca tttatccttt 300
cgagtaacttg aaatggacca tccactcttg gttgaagctt ggattttctt tgctccgaac 360
acctctcctt tctcatgtga acccaaaccc aatctct 397
```

<210> 8953
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8953

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agctnttggtt aatatgggtg ttgtacttaa taaagccatg actgggttgg aaacagagaa 60
ggttcctttt ggtttctttg ctcggaatgg caagtatgtg gaatgcctgc tttctgtgag 120
taagaaattg gacgtagagg gcctagttag tgggggtctt tgcttcttac agctagctag 180
cccagagctc caacaagcat tacatattca gcgcctatcc gagcaaactg cttgaagag 240
attaaatgca ttaagttaca tgaaaaggca aatcatgaat cctttgtgtg gaattatatt 300
ttcccggaaa atgttggagg gtactgcctt gggaacagag caganacaac ttctacgcac 360
tagtgctcag tgccagcagc agcttagtaa aattcttgat gactcagatc ttgatagtat 420
cata 424
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<210> 8954
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 8954

agcttggttaa tccatggaag ctccctaatat ctcccacact atttgggggtg ggtcattctt 60
ggatggcctc gattttctca agttccactt ggaaccatt tctaccaact acaaaaccta 120
ataaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
tcctaaggat tgaaagaact tgctgagat gtcctaagt atcatctacg ctccactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
aatgcataag cctcataaag gtgcttggtg cattagtgag ctcaaaaggc atcactagcc 360
attcatacac aacaaac 377

<210> 8955

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8955

actcagctat gctganatat ttacatagac ctccctcaacc tcagcagcaa aatcaaccac 60
agcagagaaa ttatgacctt tccagcaaca gatacaaccc tggatggagg aatcacccta 120
acctctgatg gtccagccct cagcaacaac aacagtagcc tgctccttcc ttccaaaatg 180
ctgctggccc aagcagacca tacattcctc caccaatcca acaacagcaa caaccccaga 240
aacagccaac agttgaggcc cctccacaac cttccctcga agaacttggtg aggcaaata 300
ctttgcagaa catgcagttt cagcaagaga ccagagcctc cattcagagc ttaaccaatc 360
agatgggaca attagctacc caattgaatc aacaacagtc ccagaattct gacaagctgc 420
cttctcaagc tgtccaaaat cccaaaaatg tcag 454

<210> 8956

<211> 380

<212> DNA

<213> Glycine max

<400> 8956

agcttctata gaagggtcgt tcctaatttc tctacaatcg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctgaggt gaaaaacaag agaaagctct tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180

ctaaaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa aattcatagt gccaccctta actaccccac ctatgataaa 300
gagatttatg ccttaataag agccctccaa acttggggaac attaccttgt acccaatgaa 360
tttgtcattc ctagtgatca 380

<210> 8957
<211> 458
<212> DNA
<213> Glycine max
<400> 8957

tctttgagaa aacttccttg agaagctaga gattatctac acacaccct ctcataacta 60
agctcacctc tttgagaagc ttccttaaga gattcctaaa gaagctagag cttagctaca 120
catacctctc taataggtaa gctcacctcc ttgagatgag aagctagaac ttagctacac 180
acccctata ataactaagc tcaccccat gacaaaaaac atgaaaatac aaaaaaaagt 240
ccttactaca aagactactc aaaatgcccc gaaatacaag actaaaacc tatactacta 300
gaatggccaa aatacaagcc caaacgaagg aaaaacctat tctaataatt acaaagacaa 360
gcgggctcat acttagccca tgggctcgaa atctacccta aggctcatga gaacccttgg 420
gccttcctc ggatctctag cccaatctac ttggagtc 458

<210> 8958
<211> 350
<212> DNA
<213> Glycine max
<400> 8958

agctttgaaa gattggctaa gactttgtta taacattttc acttaaacia tgaaggaaag 60
ctggagttgc tgcacatgat gtccaacggt atgtcaaata ataagatcgg gctgcacact 120
gcacaaggca agataaagtg tctaataag aatagaagct gcacgattca cgatgtcaga 180
tataatgtcc atgacatcct gctgataat actggaattg ctaaaagcat tgaatcagca 240
ggatccacga tggcgggatac aatgtccatg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga cgttgcaaga tgtccgatga ccgatactat gtccaggaca 350

<210> 8959
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8959

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 ttataagtgg tttttgtagg tggaaatgta ccatcatcac caacaccaag gaaaaaacat 180
 tcattcttct ttcagaatgc caatcccctc tgagaggcac atgttccttc aagcaggaaa 240
 tggttctggt gattctggac tagtgctctc aactgatgct aagcctatat tgaaatggac 300
 accagatctt catgcaaggg ttatagaagc agtcaaccag ttagggggag ctgacagtga 360
 gtactcacat tagcttttgg atcatcagat gtggaagaac atagaaattg agttcactaa 420
 tgc 423

<210> 8960
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 8960

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 gcaaaccttg aagcaacaat tcgagctact acagatgaat gagaaagaat gtataacaaa 120
 atacctaaat cgtgtgctgg gcctgtcaaa tcatatgatg gcttgtggtg aaaacatgaa 180
 ggattaagat cttgtagaaa aggttttaag aaccttgagc tcaagatctg attatgtggt 240
 tgctgcaata gaagaatcta aggatttcat agaaatgaaa ttgaatgagc ttcaatgctc 300
 tcttgaagca catgagcaaa gaatcaaaga aaaggaaaca gatagggtcat ctgaacatgc 360
 cttactcact cagagtggta gaagatacaa attg 394

<210> 8961
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8961

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 ttaatcattt agtatcaacc ttataatggt aaacaagaat aaactttgat acccatcaaa 120
 atgctcaacc aagtacatac ttcttatact cattgttaga agcaagtatt atgtcaaggt 180
 gcattgtaaa ttcttagggt caaatagtta ctacttgtga tgtacatgac atattgagtt 240
 agaaacatca ttttaaagaa aatcttatat attcactactg attatagtta tgatttataa 300
 gtttgcatat tcaaatacaa ttttttatta ataaaatata ttntttatat taagtatttt 360
 agaataatta taatttctct aaaatattta tcgatgataa tttagatatt aatgttatat 420
 catgtaagat atntaatctc tgtaatatac 450

<210> 8962
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 8962
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 ttgcatttcg tgttctctgtg accttatggt tccattctct gcttaaacad ctcaatgctg 120
 tatttaccag atcttcattt ggaaaaattt tccctaaaga tgcattgatga tttactatgt 180
 gtgtgaacct cttttgcatg tcttatatac tttcatttgc attcatccta gatagggtcat 240
 attcatgagt taatgtgtat attctagatc ttttaacatc tgggtgtgcct tcatgtgtta 300
 cttgtagggt atcccacata tcttttgcac tatgacaatt cgatagccta aagtactcat 360
 aca 363

<210> 8963
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 8963
 ggcatggat agaagactcc acgacgattg agtcagagat gcaagagaag gacctatggt 60
 tctcatgagc cttagggttag atttcaggac catgggctaa gtatgagccc acttatcttt 120
 gtacatatta gattaagggt tcattatctt tgggccttgt atttagggct ctagaatgta 180
 ggtaggttac cctagaaatg taaaattttt cagcccttgt attttaggga acctagacta 240

gtttttgtat taggggtagt tatataatth cacatgcatt aagtgaatat ttgatgtgtg 300
 tgttgggaaa taaatt 316

<210> 8964
 <211> 455
 <212> DNA
 <213> Glycine max
 <400> 8964

tcctgatcat gagggagcta acaaaaaatth tcatgcaggt ggaccttctt ctagtagttc 60
 tgacttgcag cagcctccta tccatcttcc attttcacct agagcaattc caaacaaaaa 120
 aatggaagaa gtggaaaagg agatcctgga gactttcagg aaagtagaga tgaacatacc 180
 tctgcttgat gccatcaagc agattccaag atatgccaa gtttctaaagg agttgtgcac 240
 ccacaaaagg aagctcaaag gcaatgaaag gattagcatg ggcagaaatg tgtcagcatt 300
 gataggtaaa tctgttcctc acattcctga gaaatgtaag gacctatgta ctttctgtat 360
 accttgcatt attgggaaca acaaatttga gaatgccata ctagatctag gagcatcagt 420
 taatgtcatg cctctgtcca tgtttaattc tttat 455

<210> 8965
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 8965

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 aggaggaggc ttaccacttc tctcatcatg caaccactag attgngagct ttcctttgag 120
 ttcattgtgtg atgcctcaaa ctatgcactt ggggttatgt tgataaatta tcacatgtca 180
 ttgcttatgc cttacgcgt ntagatgcaa cccaagttaa ctacaccact atctagaagg 240
 agctttcaac cattgttttt gctttagata aattcatatc ttatttgctt tgctcccata 300
 ttactgtctt tactgaccat atagctttga ggtacatgtt gaagaagcct gatgctaaac 360
 ctagattgat caggtggatg cttcttcttt aggagtttca tattgagatt aaagacatga 420
 gcggtgtaga aaacttgngt tgtgatca 448

<210> 8966
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8966

tgtcgagatg gaaggctccc acgtggtgca naacatgtac gactctcttg atgtgcatgt 60
 angggaatgt ttttctgtgc ttgttacagc ggacaaggaa ccaaaggatt actacatggt 120
 ggcttccaca cgtttcacca agactgttct aatangtaaa ggtatcattc gttacacaaa 180
 tggtaagggc ccttgctcac ccgacatncc cccggctcca gtggggttgg gcttggtctc 240
 ttaaccaatt ccataccttc cgttggaatc tcaccgctag tgcccgcagg cccaaccctc 300
 aggggttccta caaatatggt caaatcaaca ttactcgtac tatcaagctc gttaactcaa 360
 ttagtaagtc taacggaagc ttcggtatgc ccttaatggt gtctcacatg t 411

<210> 8967
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 8967

tgtaaggctt tgggtgggaa atgatagtga gacttaactt atataccaac cttatgctac 60
 aacaattgca gcatgaccca ctatctacaa tgagataaca atttttgttt aaaaccttgc 120
 atcttgtatg aaagatgttc tctctttggg tttggtttac gtcacaagat tgaatcccat 180
 ggaaccttct caccattaga agatcacctt cttcataagg gtaaacctct tcaatatgct 240
 catcaccctt ggcttcaccc tcacttcac ttgaggaagg agaagaggta gcctcctctt 300
 ggctactata gatgccttga cccctcatca tcatggtttt ctatgtgggg cattaagaag 360
 caatgtggcc tttcctaata catttgaagc acttactgct actagttcta tcttgtgaac 420
 tagccttttg agtgatttcc tctata 446

<210> 8968
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 8968

agcttgcttc tacattaaat ggacctagta tgacacaact caaaaacata taagggttag 60
tcaaacacat ttctggagga agattgtacg ggataacaat gattgaccaa taagaataag 120
gtaaagatga tgcttgaata tacagattaa atccatctgt gcataaaccg agtcacacat 180
ttcatggatc atcaacaaaa tctgcatgta cccgatcaaa gtgcttccat gcttcaccat 240
caaatggatg gcgtaacatg caagaagatc ttctattctc ataacaccat gacatttggc 300
ttgcagtttg tattcatgta aatagtctct gcaaccttgg tattatagga aaataaaaca 360
tcgcctttac tagaaattga tttttgttgc ttgt 394

<210> 8969
<211> 401
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 8969

acacggatat ctgattgagt catgtaatat ttogagacgc tcgaaattga attcgggaagc 60
tctgagcaaa ttcaaacgac aataacttnt tactcggatg tcttattgaa tcccataata 120
tatcgacaag ctcgaaataga atcttgatgc tctgagcaaa ttcaaacgac aataactttt 180
tactcggatg tctgattgag tcctgtaata tatccacacg cttcaaattg aataccggag 240
ctctgagcaa aatccaaaga gacaaacact ttaactcgga tgtcggatgg agtccgtgaa 300
tatatggaca cgctcaaaat tgaatcccga agctctgagc aaattcaaac gacaataact 360
ttntactcgg atgtctgatg gaatctccga atatatccac a 401

<210> 8970
<211> 414
<212> DNA
<213> Glycine max
<400> 8970

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 attttcttgt ttgtgaagca catgaaggag gtttaatggg gcatttttggg gtccaaaaga 360
 ctctagaaac attacaagaa cattttttatt ggcctcatat gaaaaaggat gtgc 414

<210> 8971
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 8971

agcttccatc aagaacccta gggccttata ttgcatctct ggcccaatct tcttgagatc 60
 ttctatctaa tgaccttggg gggtaggatt gcatcaccat atgccacact acaagaatgt 120
 ggggtcaaat tcttcgcgat aagaggattt gagaagtga gatagcgatc aaatcgggtga 180
 taactttctc cacaagtttc tatagcacta tttacgttgc ctttcaaata aattgaccat 240
 agatgagtca gacccttctg cgcaacaata tcatcatcca aaaacagcac tttgttgagc 300
 tttggaaaga tctatggcaa atagaactgg aggtgggtca agatagacaa atactttgga 360
 tacatattat gatactcagt atacatgaga 390

<210> 8972
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 8972

agcttgaaga tgtgtagccc accatctttt ttaggaaaat actggtaatg tgtctactat 60
 cattgtcatc atttctttct ccgtcattga ggagccactt aagctgccag gtctctccac 120
 ctttgggcat attctttaga aagattcgtg cccccctttt gcacatgttc tgtacttgca 180
 tcctatccga agacattata ctgacactgc ctaacgaagg caaccactat gtccttccaa 240
 gaatggactc gggaagggtc caagttagtg taccatgtaa cagctacccc agtaagactt 300
 tcttggaaacg aatgtatcag caattcctca tcttttgcgt atgccacat cttccgataa 360
 tacatcatta gatggctcct ggggcaggta gtcccc 397

<210> 8973
 <211> 287
 <212> DNA

<213> Glycine max

<400> 8973

caatgatatt cttcatgcct cttaagtgca gatgtccaaa tctttgatgc catattttga 60
ctatatcttc tatggagaat atacactgtg tgaggagtaa ctggctttct tgagcgtgtc 120
cataagtaac agttgtcctt tgatctgctg cccttcatta cgacttcact cttctcattt 180
gtcaccaagc attctgactt tgtgaagttt acattgaata cttcatcaca caactgactg 240
atgctgatca agttcgcagt cagtcccttc accagcagta ctttggt 287

<210> 8974

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8974

tcccgccaat ggtatntgag gtttaatgat actattgttt ccttcggatt taaggaaaat 60
actgttgatc aatgtatata tctgaaggctc aatgggagta agattatttt tccaattatg 120
tgtattgatg atatcttgct tgcaactaac gatcttggtc ttcttcatga gactaagaaa 180
tttctctcta gaaactctga agtgaaagat atgggtgagg taagctatgt gatagggata 240
gaaatattct gtaatagatc acaaggattg ttaggcttac ctgagaaagc atatatcaat 300
aaaatactag tgaaattcaa gatggaaagg tgtttaacat cacctgttct aatttagaag 360
ggagacaaat ttagtctcac acaatgtcat agaaatgata tggaacgaaa acaaatggaa 420
gctattttgt atgcatcagt tgttgttgca tct 453

<210> 8975

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 8975

ggctaacca tggaagctcc taatatctcc cacactntnt ggggtgggcc attcttggat 60
ggccttgatt ttctcagggt ccacttgga cccatttcta ccaactacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttctt 180

aaggactgaa agaacttgtc tgagatgtcc taagtgatca tctaggctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca ctagctattc 360
 atacaaacca aacttgggtct tgaaagcagt tntccactca tcaccctttt tcatcctgat 420
 ttggtgataa ccac 434

<210> 8976
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8976

agcttcaaga aaaagatggc ctcagcaaatt tccttatttc cagaaggga ttctatcaat 60
 agacctccaa tctttaatgg agagggttac cactactgga aaaccggaat gcaaattttt 120
 attgaggcaa tagatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gagttacaat agatggtagt tcatcaagt aaagcataac tatagaaaaa 240
 cctatagata gatggtctga agaggataga aaacgagtag aatacaactt aaaagccaaa 300
 aacataataa catctgccct gngaattgat gaatatttca gggtttcaaa ttgtaagagt 360
 gctaaggaaa tgtgggacac tcttcgataa cacatgaagg aactacaaat 410

<210> 8977
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8977

tgtgtntaa agtttacaac ttacaagcgc gactatatta atctcttaaa aaatttagtt 60
 gctaaataaa tttcccaaaa acttaaaagg gcatcacaat aattttacaa acaatttctt 120
 aataattaaa ataccatcaa attcatcctt gatgcaagct ccattggagc ttgtaggcct 180
 aggatcttct tcatcaatgg attcctttgc ttcttgggaag ataaatggca gtggaatgga 240
 gaaggaagag agagaggaga cgccacttca aggagaagat gagtctagaa gaagctcacc 300
 accatangag gccatggata agagcttggg ggaagaagga gatgaatgaa tggagagggg 360

gagaagagca cgatattttg tgctcaaaaa gagctctgaa atctgaagtt aatattcaaa 420
tgaatcaaag tgaaaaaaa 439

<210> 8978
<211> 417
<212> DNA
<213> Glycine max

<400> 8978

agcttgaact aaagattata agatggtact gaaacctatc ttagcgattg ttgttgggct 60
tattgagtca atcgccatcg ggttgttatt gaaccactag tagatgtcaa gtcattgcaaa 120
cttcatactt gaaatgccca atcctcaatg tgtaggggtg tattgaagat cccacattga 180
ttaggaatat ggccaaatta aagtatatat gtcagggaaa ccttcacctt acatgctagt 240
tttgtgggat ttagttaggc ttgaatctaa aatctaagat gttattagaa cttatcatat 300
caatgttaag cctattaggc catctaatat cgggttggtt tcaaaccact tgtagatgtc 360
caatcccata aacttgggct caagatatcc aatcctacgt ccgtgggggt atgttgg 417

<210> 8979
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8979

tcttacatag tccgcctntg cttgaccttc tttatgctta ataacagaaa cattaggcat 60
aggcaaaaga tcaagaggag ttagtggggt aaaaccataa acaacttcaa aaggagaaca 120
attagtgggtg ctatgaacag ctctattgta agcaaattca acatggggta aacaagcttc 180
ccaagtgttt aagttcttcc tcaaaactgt cctaagcaaa gttcccaaag tcctattaac 240
aacttccgtt tgcccatcgg tttgtgggtg acaagtgggt gaaaataaca atttagtgcc 300
caacttgctc cacaaagtcc tccaaaaatg gcttangaac ttagagtccc tatcactaac 360
aatgctcctt ggcaaaccat ggagtctcac aatctccttg aaaaacaaat cagccacatg 420
ggaagcatca tcaactntct tacatggaat aaaa 454

<210> 8980
<211> 451

<212> DNA
 <213> Glycine max
 <400> 8980

ctggtgtggc tggcacagcc tcacctagac tcaatattga ccagctctag ggttgggaaa 60
 gacaggtggg ttgaagggtg gtagtgaaaa acaggtgagc atcttttaac atagaataat 120
 ttgctttcta tttttttgcc tgctcagttc catttttaaaa ttattggttg agccttgacc 180
 ctagatatta ttattgcaga ggttataaca ttaacagaat ttcaccctac acattgtaat 240
 acgttggcat atagcagttc aaaggggttca attcatctag ttgacttggg acaatcagca 300
 ttatgtgatt ctcatgctaa actgtaagta cattcttttg ttgtaatctt gttgggttct 360
 gacaaataag tatccattc ctcccataag gctttcagaa ttttaacaaat gtttaaacag 420
 ttgacagaat ttctggatag gtcactctgtt t 451

<210> 8981
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 8981

agcttctgtt cctgagaaac tggttcccat aagacaacag ggagtgaaga ttgctgaaaa 60
 ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
 tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
 atcgtccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
 tccaaatgct gaagtactct cttccccag caaagagaga tcaacagagg aagatgatca 300
 • agcgacaaag gagaccctg caccaagggc accagaaact gttccagggtg acctcattga 360
 cctggaagta gtagaaattg atgaagaacc cattgccaca gttggca 407

<210> 8982
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 8982

agcttcaacc ctttcccaaa actcggcaag ggacgcgaaa tgttattccc actcagatcc 60
 aacaatgtca aagatttcaa actagtccaa ttactcggtg tcgtaccact aatatcatta 120

cctcccaacc ttatctcaac aagagaatct aacttggcaa cagaaggact caaagtccca 180
ctaagattaa actttttccaa aataatcatg tccacctttc cgtccccatt gcaccttatt 240
cccaaccatg gcccgtgaca agggtcattt ccaactccaag aatcaacca aatccaagga 300
taccccaacc ctccaagaaa ctccaacaac accatcactt caaaagcaca cataaccccg 360
gcctttgcct cacaaaattc attgtttctca taactcactt tactcgctgc aaatt 415

<210> 8983
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8983

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cattaatgaa atacatacac aatcaaagtt tgaaattggt catagattaa aatcactgga 120
tttttaaata tgagagataa aatatttcaa ttaaaaaata agagactaaa attacatatt 180
ntagaaaata gagaaacaaa aattacattt taacctttta aaaatcacaa tctactaaat 240
atctaatacaa ctatctgtaa tggataataa taattaatag ctaaaaatgt aaactttaca 300
ttatttggtt aaaataaatc aattttttta cagtaaataa tctctaacgc aaatgttaag 360
aaaaaattac atatataaga tattttatgan aattcacaaa taatgttcac atgtgcatga 420

<210> 8984
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8984

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tcagctaaac ccctgagtc ctagggatcc ctttcttcga gtacataacc tcaatcccta 120
aaaagtactt caaggccccc aagtctctac tctgaaactg agtttgaaga atactcttca 180
agttgtcagt acctttatta tcaattcttg taatcacaat atcatcaaca tacaccacaa 240
gtaagatgct gccaaaggta gtatttctat aaaatacagt atgatcactt tgactcagct 300
tcaatccata tgcaatgacc acaccactaa atctcccaga ccaagatcta ngtgattgca 360

tcaagccata taacaacttc ctttaagcggc ataccatgcc aaactgccnc atagcaacaa 420
acacaggtga ttggtatata tacacctct 449

<210> 8985
<211> 364
<212> DNA
<213> Glycine max

<400> 8985

taaaccatat atattggaga cacgcctata cggggttttga aagcagtact gtcagcccat 60
attgcatcat ccatcttgct tgacacaatc cttccgagtg gaggccataa ttatctccac 120
gaacttcttt agttccctgt tggagacaat cagcattgac cgattagctt gggggtgata 180
ttttgaggct acttttgttg tgacatgaca atggcctaac accttttgca aataactgtt 240
gcaaaagtga gagcctcatc actgattacg ctactttgtg tgtgacatga taatggccta 300
ccaccttcta catatgacta ttgacaaaagt gagagcccta tcattgaata tgacccttgg 360
cacc 364

<210> 8986
<211> 374
<212> DNA
<213> Glycine max

<400> 8986

gagcccttac aactttattc ttaacatcta tggaaatctt cttattgctt atttgcgtc 60
tataaaatta tggagactgc atctgctatt cctaatacgt gtgtgtattt gactagatga 120
aaccaaaagg aagttgctat attggcgaaa acgtttccac attatcagtg gcattacttg 180
aggacatctt tatcttcac cagactctat gttaaggatt attcacagag atctaaaaac 240
tagcaatatt ttactagatg ccaatttga tcccaatata tcaaactttg gcctggctcg 300
atcattcttc cgagatcatg tggctggaac atagttagct tctatctaata tatgactctt 360
tgatattgct gtat 374

<210> 8987
<211> 432
<212> DNA
<213> Glycine max

gatcatatga atctctcgag agtttccgat gttaaatttc gagcgtatcg atatatgata 180
 accctgaatc ggacctcagt ctgaaaagtt atgaccattt gaatttgacg agagctttcg 240
 ctgatcaact tcgagtgtca ctgtatgtga tgcgccaaaa ttggacatcc gagttaaatg 300
 ttatgacctat tagaatttct caagagctat ccttggtgaa ttgtgagcgt ttctatatga 360
 gatttgacctg aatcggacat ccgt 384

<210> 8990
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 8990
 agcttcagta gtagcaccaa aaattatgtc atcaacataa atttacacaa gcaacaactt 60
 attgtttgat atcttgataa acaatgtttt aacaacttga cctgttacia aagattgtct 120
 aattaggaaa ttgctcaatc tttcatacca agatcttggg acttgtttta aaccatacag 180
 tgcctttttc aacttataaa catgattagg atgttcgaag tctaaagtcc ttttcaacta 240
 gatgattaag attatgcatg tttacatgtg cagttgtatg atgcatagc caagaatcat 300
 taatcttact taccaagtaa ggctaataa atgatgcatg ttcaatattc aacatataaa 360
 tattacctat tcttttacct atgtgaacaa cctcactagt ttttgcttca taaatgaaac 420

<210> 8991
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 8991
 agcttgagac attcattcat aggggactgt taagagatgg gatgttcaca ttcaagggtg 60
 gatgatgaag aggcagttcg gctttgtaaa gacagaaaga agtttatcag acaagctggt 120
 gaacaaagaa ctcaatttgc cacgggacac atagcataca tagaatctct taaaagggtg 180
 tcagctgcac ttgcgaatta cattgaaggc gatgagcctc gcgagttctc attagacaca 240
 gtcacacccc cacctttcac gcctgtgaag agggaaaactg gctcatgatt cattcccata 300
 tcagcaaaaac cctttgctac aacaggagca attgagtttg ggatcggacc acactctact 360
 ttgaaagtga attaccttag gcctggtggt aacccaacaa tttcagttga 410

<210> 8992
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 8992

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 ttcccattct tgtatacttt ctccaaccaa gtgggaacct attacttcca acgcccattg 120
 aagaccagaa gcataagtta ctacgcgatg caagacctcc acgtaagttg gatcagctnt 180
 ttcttttttta aaagcttgcc atgtaagcaa ctgaagagca tggttctcat ccaattcctt 240
 catttcatat gttttattaa cttcatgaga tgctagcaat tgtttgtccc gagttgtgat 300
 gatgattttg ctgccgcgac caaaccaatc aggtcttcca gcaattgctt gcaattggtc 360
 gtgtgtgtca acatcatcta taatcaagag aaccttcttt cccttgagcc tacactgtat 420
 gaatgaaatt cctgttgctt actt 444

<210> 8993
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 8993

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 aaacacttca ctgcttggct gatgaataga ggctatcacg gttcttccat cccttgccaa 120
 ggcacgtagt gtctgcgtca caaagaaagc tgaagcactg ccacaaaaga caaaaatcca 180
 aaaaaaatca agacatatgt tcagcaaaaa gagatgttcc tactttacaa atatgaacaa 240
 ctggggacat aacaaacatt ctccaacaaa aatactatta tttatagaat attgtaatct 300
 ccctttagaa ggtgcacaca aattgatgtt gtgactatgt agaacaacaa aaagacgaag 360
 acataacttc caaattcatt ttatgaaatc gtatttggtt gtacaatttt tttat 415

<210> 8994
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 8994

agcttgtttc aatccataga tggacttatt aagcttgcag actaagtgct caccaacact 60
agataagaat ccctcagggt gtttcatgta aacctcttct tctagatcac cattcaggaa 120
cgccattttc acatccattt gatgcaactc aagatcaaaa tgagctacta atgccaaaat 180
tactcgaaga gagtctttct tagatacagg ggaaaagggtc tctctgtaat cgattccttc 240
tctttgagtg aatccttttag caacaagtct tgccttatgt ctctcaatgt tgccttctaa 300
gtctttcttt gtttcgaaga cccatctgca tccgatgggt tttacaccaa cagacaactc 360
aacgagatcc caaacttggg tagatgccat agaatccatc tcatccctca tagcattg 418

<210> 8995
<211> 449
<212> DNA
<213> Glycine max

<400> 8995

tatgagatat ccatgaagct tgcacaccat atcaatgaat aactgagcta ccttatgtgc 60
tctgaaatgg gtagaaagca tgccgaaatg ggactccctt gagaatcgat ccacaactaa 120
taaaaccaca gtagctcctt ggaagttagg caaccctgta atgaaatcca aggccacgtc 180
ctccacaga atagatagag ggggaattgg ttgaagaatc cttgaatgtt atttagggat 240
atactttgta agttgacaat cagaacacct tagtgatgta gcttctatgg agcttgtaag 300
ccttgatct tcttcatcaa tgaagtcatt tgcttcttga agtttgatgg tagcggaatg 360
gagaaggaga aatatgattg gagacgccac ttcaagaaga agatgagtct agaagaagct 420
caccaccata ggaagccatg gataagagc 449

<210> 8996
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 8996

taacaagtgg aatcagagga agtctctat ggcaggcaga attactttaa ttaattctgt 60
tttgacagcc ttgcctttat tttatctgtc tttcttcaaa gctccttcag cagtgttagt 120
gaggctgact tcaatccaaa ggaatttttt gtggggagga ggtgctgaag ggaaaaagat 180

cgcttggatg gcttgggatc atatatgtac tcctagaaat caaggagggtt tgggtatcaa 240
agctatcaag gatcttaata gagcccttct tattaaatgg aagtggctga tgttccacca 300
atcagaccaa ttgtggtgca gaatcctcat ctcanaatac aaaggatgga gagggttgga 360
agagaattcc cacaggcagt ctcatcctt ttggtggtcg gaattgaagg ctgttttact 420
ccatagcagc atgga 435

<210> 8997
<211> 341
<212> DNA
<213> Glycine max
<400> 8997

agcttgtaat cgattacaca gtaaggaatt tttcaaaata actccaaga gtcacaactg 60
ttcaggaagt ttttgaatgg ccatcaaagg cctttaaaga cttgggatac gaaattcctt 120
agaggttttc tgaataacat tttcttatcc tctcaaaacc aaattgtctt atcattctca 180
aaatattcct tgggtcaaac acttgcaaat tcaataagga atcttgatcg atcttcaatt 240
gtaatatcct tctcttaaag agagaaaatt cttcttcttc ttattcaaac agatctgtat 300
aagagaccga aagtctcttc agttgtaaag gatatttaac a 341

<210> 8998
<211> 427
<212> DNA
<213> Glycine max
<400> 8998

taacataagg catgcgaaga ggggtggaatt cctatagcaa ttcccttatg ttatcaaaca 60
taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgatcatg cattactttc 120
tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
aacttttgga gaaattttta aaaattgtga aaaattttca gaagatgggt tcttttagaca 240
tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300
gcttgtttgt gaagcacttg aaggaggttt aatggggcat tttgggggtcc aaaagactct 360
agaaacatta caagaacatt tttattggcc tcgtatgaaa aaggatgtgc agaaatcttg 420
taacatt 427

<210> 8999
 <211> 384
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 8999

 ctngagcaat tcacatggta ataacttttc actcggatat ccgattcagg cacataatat 60
 atcgagacgc tcgacactga aaatccgaag ctattgagca attcaaattg tcataactat 120
 taactctgag gtccgattga cgtgcataat atatcgatac gctcgaaatt gaataatgga 180
 agctctatga tcaattcaga tggtcataac tattcactcg gatgttccaa taccgtgcat 240
 aatatatcga gacgctcgaa attgaacaac ggaagctctt gatcaataca aatggtcata 300
 actttatact cggatgtcgg acttatgcgc ataatatatg catactctct atatgtacaa 360
 cggaacctct tgatcaattc aaat 384

<210> 9000
 <211> 289
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9000

 agctttgatg taacatttgg agagggttaat gtaacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata tagaccatat gaattgctca agagcttcca ttgttcagtt 120
 gcgagcgact agatatataa tgcgcctcaa tcggacctcc gagttaaaag ttatgaccat 180
 ttgaaatgct cagagcttcc attgttcaca tttgagcgct tcgatatatt atgcacctga 240
 atcggatctg cgagtgcga cttatgacca tntgaattgc tcaagagct 289

<210> 9001
 <211> 399
 <212> DNA
 <213> Glycine max

 <400> 9001

 agcttttgag caattcatta tggatcatatt tagtcaactgg gaggtccgat tcatgcacat 60
 aatttatcga gacgctctaa attgaacaac ggaagctctc agaaaattta aatgctcata 120

acttttaact cggaggtccg attcaggcgg ataatatatc gagacgctcc aaattgaaca 180
atggaagctg ttgagcaatt caaatggtca taaatagtca ctcgagagtc cgattcaggc 240
acataatata tcgagacgct cgaaattgaa caacggaagc tctcaagaaa ttcaaattggt 300
cataactttt aactcggagg tccgattcag gcgcataata tatcgagacg atcgaaattg 360
aacaacggaa tatctcaagc aattcaaatg gtcataact 399

<210> 9002
<211> 399
<212> DNA
<213> Glycine max

<400> 9002

agcttcggta ttcaatttcg agcgtctcta tatattaaga gacttaatca gacatccgag 60
taaaaagtta ttgtcgtttg aatttgctga gagcttcagc attcaatttc gagtgtttcg 120
atatattctg ggactcaatc ggacatccga gtaaaaagat attgtcgttt gaatttgctc 180
agagcttcag tattcaattt caagcgtgct gatataattac gcgactcaat caaacatccg 240
agttaaaagt tattgtcggt tgaatttgct cagagcatca acattcaatt tcgagcgtgt 300
cgatatatta tggggctcaa tcagacatcc gagttaaaag ttattgtcgt ttgaatttgc 360
tcagagcctc agcattcaat tttcagcgtc tcgatatat 399

<210> 9003
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9003

agctntaaca ctcaactttc atggaatagt cgtttaaaga taacagagaa agtaaagctt 60
caaggtaata ataagataaa gataaaatcc agaaccctc acttgccctt ctgttaactc 120
caaaagttgt ggcaacaact cttcatccct cattctctca attcgtttcg atattgaatc 180
aacagaatat atagccactg ttaagcgtga atgcagatcc ttcacaactg accgggtctt 240
gtcaatcaca tgagtgcctt gatcttttagc aaattgatgc ctaagctggg gacattttcg 300
gccatagtcc ttccttatgg attcactagc ctacagatag ccgaacagga ggtcaaaatg 360
atcgatgatt gataacacaa aatttg 386

<210> 9004
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9004

acagctgatt aactacaacc aatattggtg atttatctaa gcaactaaaa gaagaactat 60
 cgtggggatg ctctatatgc aaccgttgat ggatagtttg aggacttgag aggaggagac 120
 actgccttgc tttcttgacc cccaagctct ctgtcaagca acttagctgc ccttggatct 180
 gttagtagtg tcttctggaa ggactgtgag aagccagttg caatgatagt cacatgaatc 240
 tccccattgt agcgatcatc aacaacggca ccaaataata tattggcaga agggtcggct 300
 aaacttgtca ccacctacag cagttatgaa gttttgaaaa caggatacaa atgttcacaa 360
 caaattcata agatcaaaag aatgctgaaa tggttccttct gacaat 406

<210> 9005
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9005

cgtgacctat gaaactcagc ttcttgagag aacttccttg agaagctaga gattatctac 60
 acacacccct ctcataacta agctcacctc tntgagaagc ttccttaaga gattcctaaa 120
 gaagctagag cttagctaca catacctctc taataggtaa gctcacctcc ttgagatgag 180
 aagctagaac ttagctacac accccctata ataactaagc tcacccccat gacaaaaaac 240
 atgaaaatac aaaaaaaagt cttactaca aagactactc aaaatgcccc gaaatacaag 300
 actaaaacc tatactacta gaatggccaa aatacaagcc caaacgaagg aaaaacctat 360
 tctaataattt acaaagacaa gcgggctcat acttagccca tgggctcgaa atctacccta 420
 aggctcatga gaacccttgg gcct 444

<210> 9006
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9006

agctntaaaa gattgggctaa gattntgtta aaacataagc acttagacaa tgaaggaaag 60
ctggagttgc tgcacatgat gtccaacggt atgtcaaaga ataagatcgg gctgcacaat 120
gcacaaggca agataaagtg tcaaatgaag aattgaagct gcaggattca cgatgtcgga 180
tataatgtcc aggacatcct gctgaaaat actggaattg ctaaaagcat tgaagctgca 240
ggatccacga tgtcggatac aatgtccagg acatcctgcc cgaaaatact ggagttgcta 300
aaagcattga agttgcagga tccacgatgt cggatacgat gtccaggaca tcttgcccga 360
aaatactgga catataaatc tgttatatct ttaacagatt attgtgcagt ta 412

<210> 9007
<211> 439
<212> DNA
<213> Glycine max

<400> 9007

gtgacactat caatctcagc tttgcaagct ggaatcattt atcctatctc cgacagccaa 60
tgggtgagtc ccatccaggt agtcctgaag aaaaccgggc tactgtgat aaaaaatgag 120
aaagaggagc tgattcctac tcgggtgcag aacagttgga gagtttgcac cgactatagg 180
aggctgaacc aggttaccaa aaaggacat tttcccttgc cattcattga ccagatgctt 240
gaacgcctgg caggtaaate tctactat ttccttagac tttttctaaa caacattgtc 300
tgatcctctc aaaaccaaatt tgtcttatca ctctcaaaat attccttggc caaaacactt 360
gcaaattaaa taaggaatct tgatcgatct tcaattgtaa tctccttctc ttaaagagag 420
aaaaatcttc tttttctta 439

<210> 9008
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9008

tctaaactnt atacaagaat gaagctctga taccacttgt tggacaagtg gccttagata 60
tcttaagaag ggggggggggt tgaattaaga tattacaaac tatttcccca attaaaaatt 120

ctattttaact ttctattcaa gttataaatt cccttaataa tgaatttctt aaataatgat 180
tcaaatagaa caatctgaat gtgaatataa aacaataata aataaaggag ttcaagggaa 240
gagaaaagtgc aaactcagat ttatactggg tgggccacac ccttgtgcct acgtccagtc 300
cccaatcagc ccgcttgaga gttccactat cttgtaaatt cctttttacaa gttctaaaca 360
cacaaggaca atccttcctt tgtgtttaga attcctttcac aacaag 406

<210> 9009
<211> 411
<212> DNA
<213> Glycine max

<400> 9009

cgttacaaat ataatcaaca cgagatccct tgagagattt agtgaataag tccgcgatca 60
ttggagcggg caaaatcggg ggtgactttt cctgagagca ctttctctct cacaaagtga 120
caatcgatct ctatgtgctt agtccgttca tggaatacca gattagatgc aatgtaaaga 180
gcagcttgat tgtcacaaat aaacttagtg tccaaagtgt ctccaaattg taactgttgg 240
agaagttgcc taagcccaat aatctcacat gtaactactg ccatagcacg gtattcagct 300
tcggcactgg atctggctac tacattttgt tttttgcttc tccatgagat caaatttcct 360
ccaataaaaa cacaataacc aataatggac cttctgtctg acaatgagcc t 411

<210> 9010
<211> 409
<212> DNA
<213> Glycine max

<400> 9010

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taagctacaa ttagcttatg cataagttaa aaatcatatt tttaaaaaaa ttatatgaaa 120
gaactttttac aaattatctt gtgcataagt tgattttaata tttattttacg agaaaaaaaa 180
aatcctatct tcaagtctca agcatcacaa acggcatgat aagtctcaat gagaatatatt 240
attaatttaa aaaataggca tttgattatg cctatctgaa ttgaaatttg attatataca 300
aattgaatgt agatacatat atatgaaata gttagaagtg tcatattcac acaataagtg 360
aatgaaacaa gatagattga tttctttgac cattacaggg gaatcatgt 409

<210> 9011
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 9011

agcttagaga tcttcaaaaa ctcttatcca agattcatgt atgaattcca cgctttcggg 60
 atgtatgctc ataaaaagct ttcatgctca tcaatcataa gagatataat gtgcatattt 120
 tgcatgttaa tgctttcctt ttactttcat ctttatcata tatctgtatg ttatgttctt 180
 tttcttgtaa gtgatgctac taaagtgaag aatggtgcca taatctgttt tagatatattg 240
 ccaaacaaaa gcaacagaca gatgtggaga ttggagaaag agataaactc aaagatatca 300
 aagctcataa aacaacgcca ggaggaaact catgagcatg atctattaca aatgatactt 360
 gagggcgcaa agaattgcga gggcagtgat ggcctattat cacactccat ctcat 415

<210> 9012
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9012

tcacatgttt tctcttattc tcaaagggtga agtaaaataa tgggtgaagc gtgcacaaac 60
 tgacttggtt gccacatggg ccttgtgttg acaagcctta ttggatagat tcttcctcc 120
 ctcaaggact aaagagttaa gaaactagat caccaacttc caacaagaag atgggtgagtc 180
 aatatatgag gcgtgggagt gatacaaggg ttacttgtaa gaatgccctc aacatggggtt 240
 aagcaaatca ttgacgattc aattcttctt tgaaggactg aaccacaaa gcgtgtcaac 300
 cttagactcc agagttggca aatcattcat gagcaagcca atcaatgaat gcaagactat 360
 ccttgagggtt gtagctttaa aatatgggtca atgggaaaag aaaagtgata atcg 414

<210> 9013
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 9013

agcttgtag aaaaatgtag gtaaaaatat tattgagcag ataatgaggg ctggaagaat 60

taccgaatac ggtgttgatg gggttcatgg cgacctgggt cttagtggca tcttcgatga 120
gtctttcggg attgatgaag gcgacataaa aggggtgtggg acgggttgccc tgatcgttgg 180
tgatgatttc aacgcagtcg tgctgccaga ctccaacgta ggagagaacc tgtggatttt 240
agagaaaatg agtttagaaa cctagggcga ttcaaataca gttcaaaacg tgttcaaact 300
tgtgagaaac ctatgagaac cactttgaat ctatgagaat gacagagatg caaagtgaat 360
gagagctaca acggtgttga aggagaatga agtgtgcaac 400

<210> 9014
<211> 389
<212> DNA
<213> Glycine max

<400> 9014

agcttcatgc ttaactatgt atggcaaaac ttcattattg ttgttcaaga catacaagtg 60
agcttgaac aaatcttcta cacttggagt gatcacctgc agtcctcttg aacccttacc 120
accactctg tcatcatgcc gacactcagg aagcccaata ggtttagcct tctctaagta 180
ttctgaaaaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcttctgg 240
acgatataga ttctttgtat accctattaa gatcttcatg tatcgctcaa ccgggtacat 300
ccaccgtaga taaacaggac cacaacattt gatgtctctg accagatgca caatcaagtg 360
aatcatgatg tcaaagaaag caaggggaa 389

<210> 9015
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9015

agctnttcct ctagtgtgctc tattaggatt tccaagcggt agagtgaaag agaagggatt 60
gaaccctcat tttactatct ctgtgcgagg gaaattttctc tctctataga catcatatag 120
aaaatcccaa cgggtggagggt gtgctaacat gaactacaaa cctggcctat aaatatcaca 180
atgatccaat ggtaacgag tacaagagcg tagttttact taaacaagtt tgggtgtatg 240
cgagaaaaag aaagctacga tgcgaatgac atttctctca cctcagacat ttttttcgca 300
tattccaacg gtaaggatgt cccaaaatta gttctagact tggttttcaa atttgacgat 360

gatctaattgg tgaacgagtt tgggattgtc attttactg

399

<210> 9016
<211> 418
<212> DNA
<213> Glycine max

<400> 9016

tcttttgagaa aacttccttg agaagctaga gcttagctac acacactttt ctataataac 60
taagctcacc tccttgagaa gcttccttaa gaagattcct aaagaagcta gagcttagct 120
acacatacct ctctaatagc taagctcacc tccttgagat gagaagctag gacttagcta 180
cacacccctt ataatagcta agctcaccct catgacaaaa aacatgagaa tacaaaaaaaa 240
agtccttact acaaagacta ctcaaaatac cccgaaatac aaggctaaaa ccctatacta 300
ctagaatggc caaaatacaa ggcccaaacy aaggaaaaac ctattctaata atttacaaag 360
ataagcgggc tcatacttag cccatgggct cgaaatctac cctaaggctc atgagaac 418

<210> 9017
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9017

agcttagcaa atggacctgn gtgttgcccta gtttcatcat atcttcata atactcatca 60
cctctatcat atctaataat ttccacattt atgtotaatt gcccttttat ttcattgtag 120
taaattttcta aggcattccat tgcctaagaa atctcgggca gtaagtagac ataaccgtaa 180
cgtgaataat catcaataat ggtgataaag tatctttcct ttctgaaaga actaacatca 240
aaaggccac aaatatcagt atgcacaatt tcaagaagtt gaggcttct ttagctcct 300
ttctttgtat gttttgcttg tttccctta atacaacca cacaaatatt tagatccgta 360
aaatctagat aaggaagaat ttcattcttt attaattttt tcctcctttc tctagaa 417

<210> 9018
<211> 426
<212> DNA
<213> Glycine max

<400> 9018

ggaccacgat cagttggagg ctcatgtcag acgccccag ggtgactagc actctgctca 60
tacattactc tgagtgcacc tgatcagtag ttctgttggc ccggtcaata gaactttcag 120
agttcaatat cagtataaac ccctagcccc ataaagacac aattcatgga agacattctg 180
gtagaatttg ttgggaatga ccaaaccacc acagactggt ggaaccttta tgttgacggc 240
gcgccaaca tgaaggggaag taggggatga atcatcctcg aaggacttga taatgtaacc 300
ctagagcagg ccatcaagct caacttcaaa gcctcaaaca atcaggctaa gtacgagggg 360
ctcattgcaa gtctaaaact agcaagagaa gtcggggcca agaagctatg atgctacata 420
gactcg 426

<210> 9019

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9019

agctnttaac tcaatttaag ctgaggattc ttattcaatg attattgtta attgcttttg 60
gtcccaaadc tttgagggtg ttttttccaa taaacgttgg ttatatttct ctttatgtta 120
tttgtaaagt tgataattaa caatgatgaa attagtacat tagttttttt taaatccaat 180
aaaaccatct tatttaccta cttttattag tttgtgtaat tatgttaaaa atgctttgta 240
ataaaaaaga ccagatgaag tagtaaatat aaatacattt ttaagcaaaa attcaaacct 300
tagtttgttt ttatcgtaat attcgaaaat taaccgtaca ttagattcaa ctctcctagg 360
ttacaattag tttttttttg gcatttttgt ggcctagatt tttttt 405

<210> 9020

<211> 390

<212> DNA

<213> Glycine max

<400> 9020

ctcagctatg ctgcaacatt tataatagac cctctcagta gctaaaccaa caacaatata 60
ataattatga tctttcaagc aacagatata atccagggtg gaagaatcat ccaaattctga 120
gatgggcaag tcttccacaa caacaacagc ctgtccctcc tttccagaat gctgctgggt 180

caagcaggcc atatgttcct cctccaatgc agcagcaaca acaacaacaa agacaacaag 240
cagctgagggc cccttctcaa ccttccttag aggagttagt gaggcaaatg atcatccaga 300
atatgcaatt ttagtaagag acaagagcct ccattcagac tctgacaaat tagatagggc 360
agatggctac ttagttgaac caagctcagt 390

<210> 9021
<211> 329
<212> DNA
<213> Glycine max
<400> 9021

tgctaaccce tggaagctcc taatatctcc cacactttct ggggtggggc attcttggat 60
ggcctcgatt ttctcacgtg cactcggac cccatatcta ccaactacaa aacctaaaga 120
aactatctta tctacacaaa aggtccactt ctctatattt gcatagaggg tgtttttcct 180
aaggactgaa agaacttgtc tgagatgtcc taagcgatca tatgggctcc tactatacac 240
ttatatatca tcaaaataaa cagctacata tctacctatg aaatcccttt agacatgatg 300
cgtaagcctc ataaacgtgc ttgggtgcat 329

<210> 9022
<211> 397
<212> DNA
<213> Glycine max
<400> 9022

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agacctccaa tctttaatgg agagggttac cactactgga aaaccggaat gcaaattttt 120
attgaggcaa tacatctaaa tatttgggaa gccatagaaa tagggcctta tatacccacc 180
acagtagaaa gagttacaat agatgggtgt tcatcaagtg aaagcataac tatagaaaaa 240
cctagagata gatggtctga agaggataga aaacgagtac catacaactt aaaagccaaa 300
aacataataa catctgccct gcgaatggat gaatatattc cggtttcaaa ttgtgagagt 360
gctaaggaaa tgtgggacac tcttcgatta acacatg 397

<210> 9023
<211> 285

<212> DNA
<213> Glycine max

<400> 9023

agaatcggac ctcaagtgtta aaagttatga ccatatggat atctcgagag ctatcgcggg 60
acagcttcca gcatctagac gtaagatgcg ccataatctg acttccgtgt gaaaagatat 120
gaccatatga atatctcgag agctttcgct gtagaacttc gagcgtctaa atatatggta 180
agccagaatc gagactccgg ggtgaaagtt atgaccagtt ggatttgacc attgcgatct 240
tggttcaact ccagcgtct agtcatatgc tgtcccgaa tctaa 285

<210> 9024
<211> 410
<212> DNA
<213> Glycine max

<400> 9024

tctagacaat gcatcagaag ggatatttcc ctacctgggt tatattgtat ggagaaatca 60
taaccaagga atttgtgtta ccattgggtg tgttccagag tctgcaatgt ttgctccaac 120
aactccttaa ggcttttctg atcagttcta ataatgaact tatggcctaa caaataatgc 180
ctgaatttgg ccatggctgt gatagcatag aattccctag tataagtaga ttgcttctgc 240
attctagggg acaacttctt aaagaaataa gcaataggat gttgagattg actcaataat 300
gctccaatac ccgaaccaga agcatcagtc tcaagtacaa atggttctct aaaattagga 360
attactaaca ttggagttga agtcatagct ttcttgagtt gcaaaaatgc 410

<210> 9025
<211> 417
<212> DNA
<213> Glycine max

<400> 9025

agcttgttca gttcatcaaa caatctctct tttcttagtt tgaagagtaa caggttgaag 60
ggtcatttc cactttcaat ccttagtgct atcaccctaa ctgaaattga catgtcatgc 120
aatcaaatac cagggagatt gcaagattta actgatttga gtagcttga acaactagat 180
ttaagggaac acaggttaga ctctaaacta cctgcaatgc caaaaggggt gataagtctt 240
ttctcagca gaaactcttt ctcaagtgaa attcccagc actatggtca actagatagg 300

cttcagaagc ttgatgtttc cttcaattca ctcacaggca ctgctcctgc tgaacttttt 360
tctttgccta acattagtta cttgaatttg gcatccaaca tgttgaatgg accactc 417

<210> 9026
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9026

gtgtataggc aagaaccnc tctgttaatt aaaggagttg acatttcttc aaggatggaa 60
gagataaatc agttgagtag agaaagggat gaattattgt aggagttgag gagtaaccta 120
cttaaggctc aggatcagat gagataatat gcaaataacc atagaagaga actgatattt 180
catgagggag attgggtttt tttgaaattg caaccttata gaatgaggtc cttagcaagg 240
aagccaaatg agaaactgag tccaagattt tatggaccct acaagggtgat acagaaaata 300
ggggaggttg cttatagggtt ggaacttcca gaatgaaagc aagatacatc cggttttcca 360
tgtatctntg ctcaaaaagg cagttcaacc cacttgtttc cctcagacat taccta 416

<210> 9027
<211> 385
<212> DNA
<213> Glycine max

<400> 9027

agcttagcaa ccaatttcac catcaagtat tatgatcatc tttgggcttc aagtacaaag 60
tgtaatcaat atccaacttc taaggcttcg aggataggga aaataactta caattttag 120
catcatcctc attcattccc agaaataaag cagtgtcttt aatgcttata gtagaataag 180
cagagagaag cagctgaaac atctcctttg tgtaaagtcc tggaaaaagt ttattggtat 240
taaaattttt gctgaactaa acatctttga ataaaataaa ggtgcacaag acttgtgaac 300
tcaagctata tggagaagca atccaaaacc aagaatcata ttttaataaac caattgcaga 360
agttaccatg gaagtagtac attac 385

<210> 9028
<211> 425
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9028

ctattgngcc ataaaatntc tgaactntga tgaagccgca tctagagacc aaaggatgat 60
acaactattg gagttggaag aaatgagatt gattgcatat gaatcttcaa ggttggtatta 120
agagaagggtt aaaacttacc atgataaaaa gttgctaaag aagaattttc aaccaggaca 180
acaggtgcta ctattcaatt caaggctgaa attggtccct gcgaagatca aatctaaatg 240
gtccgaacca tttaccatca acaaagtcag accatatgga gcagtagagc tttgtgatcc 300
tcaatccaag gatccagaca gaacttgggt agtgaatgga caaagggttaa agttgtacca 360
tggtggaact attgaaagat taaccactgt tctatccttc caagaataac aatgaactat 420
gcgtc 425

<210> 9029

<211> 414

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9029

agcttgaagg anaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120
tttgccttac catgtagcaa cctggagcaa ttgagcagcc cgaagcttat gctgcaaaca 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa caaatacaac cctggatgga ggaatcacc taatctcaga tgggtctagcc 300
ctcaacagca acaacagcag cctgctcctt ccttccaaaa tgctgctggc ccaagcagac 360
catacattcc tocaccaatc caacaacaac aacagcccca gaaacagcca acag 414

<210> 9030

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9030

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atcgagatgc tcgaaattga aaacagaagc tcatagcaat tgcaaaccac aataactatt 120
aactcggatg tccgattaag tcccgtata tatcgagacg ctcgaaattc aaaacagaag 180
ctctgagcaa attcaaacga caattacttt ttactcggat gtcggaatga atcccgtaat 240
atatcgagat gctcgaaatt gaaaacagaa gctcatagca attgcaaacc acaataacta 300
ttaactcggga tgtccgatta agtcccgtaa tatatcgaga cgctcaaaat tgaaaacata 360
agctctgagg aaattcaaac gacaattact ttntactcgg atgtctgaat gaatcccg 419

<210> 9031
<211> 398
<212> DNA
<213> Glycine max

<400> 9031

agcttgagca aattcatagc ataataactt ttaactcggga tgtccaaatg aaaccataa 60
tatatcgaga tgctcgaaat tgaaaaccga agctcgtagc aaatgcaaac cacaataact 120
ttttactccg acattcgact gagtccctta ttatatcgag acgcttgaaa ttgaaaacag 180
aagctcgtag caaatgcaaa ccacaagaac ttttaactcc aaaattcgat tgagtcccg 240
aatatatcga gatgctcaaa attgaaaaca gaagctctga gcaaattcaa acgacgaata 300
aatttttctc ggatgtccga ttgtgtcccg tatttatatcg agacgctcgt aattgaaaac 360
ggaagctcgt agcaaactca aacaacaata aattttta 398

<210> 9032
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9032

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atcgagacgc tcgaaattga acatcggaag ctcttgagca attcaaattg tcataacttc 120
taactcggag gtccgattga ggtgcataat atatcgagac gctcgaaatt gaagaatgga 180
agctcttgag caattcaaatt ggtcataact tttactcgg aggtccgatt caggcgcata 240
atatatcgag acgctcgaaa ttgaacaatg gaagctcatg agcaattcaa atggtcataa 300

cttttcactc ggaggtcgga ttcaggcgca taatatatcg agacgctcga aattgaacaa 360
 tggaagctct tgagcaattc aaatgggtcat aactttttcac t 401

<210> 9033
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9033

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 ggttgatca aatggagaat agagaccata tgaattgctc aagagcttcc attgttcaat 120
 ttcgagcgtc tagatatata atgcgcctca atcggacctc cgagttaaaa gttatgacca 180
 tttgaaatgc tcaagagctt ccattgttca atttcgagcg tcacgatata ttatgcacct 240
 gaatcggacc tgcgagtgc aacttatgac catttgaatt gctcaagagc ttccattgtt 300
 caattttgag cgtcacgata tattatgcac ctgaatcgga cctgcgagtg acaacttatg 360
 accatttgaa ttgctcaaga gct 383

<210> 9034
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 9034

tttccacctt tcattagcat ctgcatctct gtggatcaga gaatggaact tcattcttcag 60
 tcagctaaac ccctgagtcc atagggatcc ctttcttcga gtacataacc tcaatcccta 120
 agaagtactt caaggccccc aagtcttttag tctgaaactg agtttgaaga aaactcttca 180
 agttgtcagt acctttatta tcacttcttg taatcacaat atcatcaaca tacaccacaa 240
 gtaagatgct gccaaaggta gtatttttat aaaatacagt atgatcactt tgactcagct 300
 tcaatccaaa tgcaaggacc acaccactaa atcttccaaa ccaagatcta agtgattgca 360
 tcaagccata taacaacttt ctttaagcggg ataccat 397

<210> 9035
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9035

tgtaattgat tacatcattt gtgtaaccga ttaccatata gaaaaattca aatttcaagt 60
ctgaatgtca taactcttaa taaactaatc gtgtaatcaa ttaccacatt tatgtaatcg 120
attactagta aggaattttc aaaaataact cccaagagtc acaactgttc aagaagtttt 180
tgaatgacca tcaaaggcct ataaataggt gatttgggac acgaaattgc tcagagtttt 240
tctgaacaac attgtcttat cctctcaaaa ccaaattgtc ttatcactct caaaatattc 300
cttggccaaa atacttgcaa attcaataag gaatcttgat caatcttcaa ttgtaatatt 360
cttctcttaa agagagaaaa ctcttcttct tattcaaaga gatctattta 410

<210> 9036

<211> 316

<212> DNA

<213> Glycine max

<400> 9036

agcttatccc atgcttcttt ggccgtcttt gcattagata tcttctcaaa tgtatcttca 60
tccaccgatt gataaatgag aaagagagct ttcttgtctc tctttcttga ctcttcaac 120
gtctcttcta caccttgact tagcgaggct tcatcttgct cctcgaagcc attctctacg 180
atatcccaca catcttgagc tcctagtagc gccttcatct tgttactcca attatcatag 240
ttgttctttg tgagcatcgg catttggaaa ggaaaacctc cattcgccat cttttgagga 300
tcttgaagct ctgata 316

<210> 9037

<211> 460

<212> DNA

<213> Glycine max

<400> 9037

ctctgcaggg catgcacagc ttgttataaa aaaaagcgtc tttctaactc tatatttgct 60
atatctttac acgtcaatgc ttattgaatc agtttgatat agtgctcgag ttagctgata 120
taagtaatgt gcctttatat taagactatt tacacccaac aatacccggt gtattattac 180
atagacgaga tgtatataaa taaatacaac atgatatacg attttcttga ttactcacct 240
ttgcttggca tactgaactt tggcactaga ctgaacttag acataatgat acacgtttcg 300

aatacaagtc ataattgata ttctgataat ataatgattt acttggaaca gtcatatcaa 360
aagcgtttac aagtggatcc ttcttacaaa gcatctgctg agtgcctagc cattgtttta 420
acggatattg gtaccaacat aaagcttgct ggaaacactc 460

<210> 9038
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9038

agcttggttac atatagtttc aacctgatgt cctttaaaga cttagtaaaa atatcagcca 60
agtgtacga gatctatctt tatgtgttta gtatgttcat ggaagactaa attagatgca 120
atgtgaagag agcaacttga ttttcacaaa taagcttagt gtcttgagtg tctccaaact 180
ttaattgttg gagaagttgc ctaagccatg taatttcgca tgcaacttct gtcattggtat 240
agtattcaac ttcagcgctg gatctcgcaa ctatattntg cttcttgctt ctccatgaga 300
tcaaattccc tccaagcaga acacaatagc ctgaggtaga actcctgtcc aatcagcact 360
atgagtaaca aacaatttga cattgtcttc gtcttcatat 400

<210> 9039
<211> 404
<212> DNA
<213> Glycine max
<400> 9039

tgtcaaagcc ttgtatggat tgaaataagc tataagagct tggtatgaaa gactaagttt 60
attcttactc tagatagtta ctctagagaa atagtggaca cttcactatt cagaaaggct 120
tagaaaaagg atctgctgat tatacatata tatgtgaatg acatcatttt ttatgtaacc 180
tctgaaagga tgagcaagga gttttctgag ctaatgaaaa gagaatgtaa aatgagcttg 240
atgggtaagt tgaagttctt tataggactt caaatcattc aaaaagatta tggaattttc 300
atgcataaag agaaatacat caaggaccta ttgaaaaggc tcataatgga tgaagcgaca 360
caaatggcta ccggtgcac cttccactat cattgactat gatg 404

<210> 9040

<211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9040

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 ggttcgaaga caaccttctt tctccctttg ttggcttggt tagcatagct tttatttttc 120
 ctctcaattt gatctttgac tctctcatga agcttcttca catagtccgc ctttgcttga 180
 ccttctttat gcttaaaaac agaaacatta tgcataaggca aaagatcaag aggagttagt 240
 ggggttaaac cataaacaac ttcaaaagga gaacaattag tggtgctatg aacagctcta 300
 ttgtaagcaa attcaacatg gggtaaacia gcttcccaag tttttaagtt attcctcaaa 360
 actgtcctaa gcaaagtgtc aaaagtccta ttaacaactt ccgcttgccc atcggtttgt 420
 gggtgacaa 429

<210> 9041
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 9041

agcttagacg cagaacaaga caggttatac ggagaagaat aaagtgcggg caaaataggt 60
 cacgcctgat ataatttaaa atgtaagtcc aacatogatt ttcaataaaa aaaaaaaaaac 120
 ctatgttaac aaaatgatgt taacgttaac atcggttttc ttcaagaaac cgatgttaac 180
 ttatcatacg ttaacatcgg ttttcagaaa accaatgtta acctcggttt ttttcaaaac 240
 cgatgttaaa gaacttacgt taacatctgt ttttctaaaa ccaatgttaa ctaattaatg 300
 ttaacatcga ttttccaaga accgatgtta acgtcacttt gttaacatcg gattttcaaa 360
 aaatcgatgt taaaggatac acattattta caattatgcc accgcattta tcata 415

<210> 9042
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 9042

agcttctgtt cctgagaaac tggttcccat aagacaacag ggagtgaaga ttgctgaaaa 60

ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
atcgtccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
tccaaatgct gaagtactct cttccccag caaagagaga tcaacagagg aagatgatca 300
agcgacaaag gagaccctg caccaagggc accagaaact gttccagggtg acctcattga 360
cctggaagta gtagaatctg atgaagaacc cattgccaac aggttggcac ct 412

<210> 9043

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9043

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ccttgacaaa gagtaaaccac aatacctttt gactgtacaa atcaccgagt ttaatctcct 120
tgtctcttag cagaaaagag tgaagagtta tccttgttat ggaaaataca tatatccttg 180
taaaagggtga cattgtatcc actatcacat aattgactta tgcttagcag attgtgcttc 240
aatcctttaa caagtaaac attatcttta agaggataag gagaaatgca tactttacct 300
acccagttta tcagtccttt ttatttcctt ctgaaaatga tcacccact agatataggg 360
cttaaggatt ggagcataga ctnttcgcct gtcatgt 397

<210> 9044

<211> 400

<212> DNA

<213> Glycine max

<400> 9044

ttcactcgga ggcccgattc aagcgcataa tatatctaga cgctcgaaat tgaacaacgg 60
aagctatcga gaaattcaaa tgggtcaatac ttcgaactcg gaggtcctat taaggtgcat 120
aatatatcta gagctcaaa attttacaat ggaagctctt tggctataca aatggtcata 180
acttttcact cgaagggtccg attaaggcgc ataatatatc gagacgctca aaattgaaca 240
atggaagctc ttgagcaatt caaatgggtca taacttgtca ctcggagggtc cgattcaggt 300

gcataatata tcgtgacgct cgaaattgaa caatggaagc tctcgagcaa ttcaaattggt 360
cataacttgt cactcggagg tcggattcac gcgcataata 400

<210> 9045
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9045

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gttggatcaa atggagaata gagaccatat gaattgctca agagcttcca ttgttcaatt 120
tcgagcgtct agatatataa tgcgcctcaa tcggacctcc gagttaaaag ttatgaccat 180
ttgaaatgct caagagcttc cattgttcaa tttcgagcgt cacgatatat tatgcacctg 240
aatcggacct gcgagtgaac acttatgacc atttgaattg ctcaagagct tccattgttc 300
aattttgagc gtcacgatat attatgcacc tgaatcggac ctgcgagtga caacttatga 360
ccatttgaat tgctcaagag cttcca 386

<210> 9046
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9046

tgaaagaaaa ttagtaatta acataagtaa agctagtaat taagtagaga taattaaggt 60
tgacttatgg tgatctagat tttatagaat tagaaaaggg ataattaagt catattagtt 120
taaagtggag ggcattttca taaatgacaa tataactagt ttaaaataga attttttagtt 180
taattagttg gtgattaatt aaagtgttta gttacatgat gtagaataat taaaataagt 240
tagagttgta acaccatgaa aaattacaac tcatactgac agaggaagtg tngtgtcatc 300
tatacatgta tgaatttaat tccaatagta tatgtttttt atcatagaan tttgtgttat 360
atataagtga caccctctac cgaaacatac atataaaaaa aaaaataaaa ttattaa 417

<210> 9047
<211> 449
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9047

atccttacag tcacctgcgg catgcaagcn ttggcatgta ctcaacgaag tacttggtg 60
cctctaaaat aaaaggaata ataatatatc agtttagcagt tacataggca atngtaggaa 120
tccaacattc cttgcaacat caaagtttgc attgcaacaa taaaaaaaaa taaacaactg 180
aaacaccttc aacctggatc tgggttntta tctggatggt attgaataga aagtcgccta 240
tactttttct ttatttcaga ctctgccgct ccaggctcta atcctagaat attaaacgga 300
tcaaaaattt ccatctgcat taaaattaaa agaaaaattt cagaacgtgc accagtggaa 360
gtctcagcca attagtaaaa tgtaaacac aaatacaaga tccctcaata ctaatttcaa 420
atctcaagaa gtggaatagc tgaattcat 449

<210> 9048

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9048

accatacaaa ccttntgcct tccatgtagc aacctggagc aattgagcag cctgaagctt 60
atgctgcaaa tatttacaat agacctnctc aacctcagca gcaaaatcaa ccacagcaga 120
acaattatga cctctccagc aacagataca accctggatg gaggaatcac cctcacctca 180
gatggtncag ccctcagcaa caacaacagc agcctgctcc ttcctttcaa aatgctgctt 240
ggccaagcag accatacatt cctncaccaa tccaacaaca gcaac 285

<210> 9049

<211> 189

<212> DNA

<213> Glycine max

<400> 9049

tatattatgc gcctgaattg gaactccgtg tcataagtta tgatcatttt cattttctcg 60
agagctgtcg tgcttcaatt tcaagcttct cgatatatta tgcacctgaa tcagactttc 120
gtttgacaag ttatgaccat cttgatttct cgagagcttt cgcgggttcaa tttcaagcgt 180

ctcgatata

189

<210> 9050
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9050

atcctctcag tcacctgctg catgcaagct ntgatgggtg cgagaagaaa tcacatgttt 60
gtcatcatca aaaagggggg taatgtgaat gtatgtatac atgattntga tgatgtcaaa 120
aaagaatcta acaaggctgc ttcaaatgat aagcatttgc ttcaagaata attcaagatt 180
gcttcaacaa acaaagcctt gtttcaagat tcaactaaaga ccaagccttg cttataaca 240
nagtgtttc aagacatgca aggctctggt tatcgattac caggaagtgt aatcgattac 300
cagaagacgg gggttgagaaa tagctgttga aaaagggtnn tgaatttgaa tttcaacatg 360
taatcgatta ccatatgtct ggtatcgatt accacgcacg aaactttgga aactcanatt 420
caaaagtcac aaccct 436

<210> 9051
<211> 293
<212> DNA
<213> Glycine max

<400> 9051

ctttttactc ggatgtctga ttgagttccg tcatatatcg agacgctcga aattgaatgt 60
tgaagctctg agccaattca ggcgacaata tctttttact cggatgtctg attgagtccc 120
ttaatatatc gagacgctcg aaattgaatg gtgaacctct gagccaattc aaacgaacat 180
taactttttc tcggatgtct gattgagtcc tgatcatatat cgagacgctc gaaattgaat 240
gttgaagctc tgagccaatt caaacgaaca ataactttta ctcggatgtc tga 293

<210> 9052
<211> 357
<212> DNA
<213> Glycine max

<400> 9052

tgctagcatg caagcttaag ccataactaa tagtgctctg caagtatatg agactccatt 60

gtattgctgt ccaatgctgt tcagcgcgat ctgacataaa ttgacagacc tttgtggcca 120
 agaaactaac ttcagatctg gtgatgggtg catactgcaa agcaccacca acacatctgt 180
 atatagtggg atcagaacaa gactcacacc ctgatctggt taacatgcat ccaccaacca 240
 ttggagagga gatggacata gcttcatcca tctcgggtgt agacaacaaa tctctcgat 300
 acttgactg atgtagaata agagcacatt acgctgatgt ctgacttcaa tacccat 357

<210> 9053
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9053

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 tttcaaagtc ggctgctata tgccgctatc catgattgat aatagggaga accacactgc 120
 aaaaggtagt tgttgtagtt gaagttagag agccctagca cctatacaca tcataccaaa 180
 attccatatt ttcaaatatc gggttgagtt tcataccttg cagttggatt ctaaaatttc 240
 accattatth gcacccctag cgcccatgtg ggcactggct gtgcactaat tcccttacta 300
 gtcttgatc aactctgcaa ttctactgat gtcccactca tgccgcttgt ttgcaactaa 360
 gagatatatt gaaaagattt gacaccaatt gagaagaaca tctagagaa 409

<210> 9054
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 9054

tcggacctca gtgtgaaaag ttatggccat tatattatct ctagagctac cgctgttcat 60
 tttcgagcgt ctctatatgt gatgcgcctt aatctaactt ccgtgtgaaa agctatgacc 120
 attagaatth ctcaagagct ttctttgttc aattttgagc gtctcgatat gtgattcgcc 180
 tgaatcggac atccgggtta aatcgatga ccatttgaat ttctcaagag cttccgctga 240
 tgaattcgag gctctcgaca tattatgcgc cccaatcgga catccgtggg aaa 293

<210> 9055

<211> 387
 <212> DNA
 <213> Glycine max

<400> 9055

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agcttgagga aattcaaatg gtcataactt ttcacacgga tctccaattc atacgcatcg 60
catatcgaga cgcttgaaat tgaacagcgg aagctcttga gaaattttaa tggtcataac 120
ttttaactcg gatgtctgat tcaggcgatt cacatataga gacgctcgaa aatcaacaac 180
ggaagtgtgt gagaaattca aatgggcata acttttcaca ctaagggtccg attcaggcctt 240
ataatatatc gagatgctca aaattgaaca acggaagctc tgcagaaatt caaatgggtca 300
taacttttca cacggatgtc caattcaggc ttatagtata tcgagacgct caaaattgaa 360
caacagaagc ttttcagaaa ttcaaat 387
```

<210> 9056
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 9056

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tctagcattg ttatgtccac gaatcggcca tctgtgtttt aagttatgac cagtcgaatt 60
tggtgagagc ttgcattgtt caattgggag catctcgata aattattttc ccaaactcgg 120
catccgtgtg aaaatttatg accattctaa tttatcgaga gcttccgtgg ttttaatttcg 180
agcatctcga tatattatgt ccccgaaatc aacatctaag tgaaatgtta tggccattcg 240
aatttctcga tagcttccgt tgttcaattt cgagcggcta gatgagttat 290
```

<210> 9057
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9057

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agctttcttat ccaaggctca tottggtggt gaagctcctt cttccatggc ttattcccta 60
gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatttc catggtggaa 120
aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcaataact tttcacacgg atatgcgatt cgcggacata acgcgtctag 240
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actctcaaaa ttgaacaacg gaagtcctcg ataattcgaa taatcataac atttcactcg 300
gatgtctgat tcgaggacat aanatatga gacgctcgaa attgaacaac ggaagcactc 360
gagaaaattg aattgtcata acttttcac 389

<210> 9058
<211> 369
<212> DNA
<213> Glycine max

<400> 9058

aacatttgca tttctcgaga gcttcggttg ttcataattg accttctcga tatcttatgc 60
gccttaatcg gacatctgag tgaaaagtta tgaccattta aatttctcga gagcttccgt 120
tggtcaattt tgagcatctc gatatgtag gctcctgaat cgaacatccg agtgaaaagt 180
tatgaccatt tgaattactt aagagcttag gttgttctat ttcgagcgtg acaatatatt 240
atgcgcctga atcggacatc tgagtgaaaa gttatgacca tttgaatttc tcgagagggt 300
ccgttgatcc atattgagcg tctggatata ttatgcacca gaatcggaca accgagtga 360
atattatga 369

<210> 9059
<211> 361
<212> DNA
<213> Glycine max

<400> 9059

agctttggag aaccaagcca atcagaatgc tatacgaaat atagatggga atagaggtaa 60
caatggcggg aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactaagca 180
cttatttgcc tgcaatgact acactgatgg gcagaaagtc aagctagcag cagctgaatt 240
ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
acgagaggta gatacatgga ctgagatgaa aagggatgat agaaaaaggt atgtgccac 360
t 361

<210> 9060
<211> 402

<212> DNA
 <213> Glycine max
 <400> 9060

accgatatca tataatatta tgaagatggg tgaagaacaa cacatagttg tcagagaaga 60
 agtggacaaa ctctcaatg ccaacgttat cagagaagtt agatattcca cctggctcgc 120
 cgatgtcatc atagtaaaaa aggctaacga caaatagcaa atatgcattg actatactga 180
 tatgagtagg gcgtgcccta aagatgcata ccctttgcc aacgttgaca ggctagttga 240
 tggagcattt ggattctagg tgctaagctt cctagatgct tactccgaat acaactagat 300
 taggatgcat gctctagatg aggagaaaat gacattcttc actgagatgc aacttttgct 360
 aaagggcatg ccctttgcct aaaaaatgca gtgctacata ct 402

<210> 9061
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9061

agcttgtcca gctagccgct ccaaaatctg ctccatgaac gatagaggga aatgatcatt 60
 ccttgtggtg tcattaagtt tgtgatagtc tatacacatt ctccactcag tgaatgcccg 120
 tgtaagggtg agatcattct ttctcattat gatcaccatc atactacttt tcttggggcac 180
 cacttggact ggactcacc aagcactgtc aaagatcgga aagataagtc ctgcttcaag 240
 caacttgagg acttcctttt gcacttcctc cttcatggat ggggttgagtc tcctctgcgg 300
 ntgtctcacc ggtctataat caacttccat aatgaatttt tgcacacaat aagatgggct 360
 aatcccttca agatcaaaga tgtgccatct tattgttgcc ttatacnntt tgatgacctt 420
 cactaactat gcttcctcta ctg 443

<210> 9062
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 9062

agcttcatga tgatgaatca tgtagttttg atgatgacaa aaagcccaaa agaatgattc 60

aagaaaagac atcaagaaga atcaagattc aagagaagat gaattcaaga ttcaagagaa 120
gaaatcaaga agcaacaagt caagacttaa caaggggaagt attgaaaagg atttttctaa 180
aaccaaacat agcacaattt tgtttttacaa aagagttttc tcaaattttt ctaagttacc 240
agagtattta ctctctggta atcgattacc agtttctgt aattgattac caatgataaa 300
atttgatttc aaaaagtttt taactaaatt tgcaacgttc caaatgattt ttaaagtgtg 360
tatttgatta caatatattg gtaatcgatt acgagtgtat ctgaacattg aaattcaaatt 420
tcaattgtga agagtcacat cttttcat 448

<210> 9063

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9063

agcttgccat ctgtcccaa gctaaaacca ttatcacaga agaagaggaa gatggnggaa 60
taacgacgca naatggtcag agagggaagt gacaagctcc tcaaagccaa tttcattaga 120
gaagtcaggt actctaccta gtcaccaaac gtcgtcatgg taaaaaagtt caatgacaaa 180
tgacggatgt acaatgatta caccaatccc aacagggcat gaccaagga tgaatacct 240
ttactcagca tcgacaagct agtcgatgaa gcatctgggt tccaagtact aagcttctg 300
gatgcctact ttggatacaa tcaaattcga atgcacaccc cagacgaaga gaagacgaca 360
ttcctcacta aagatgtcaa catttggtac aggggtcatgc cctntggcca aaaatgcang 420
cgctatatac ca 432

<210> 9064

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9064

agcttgtgca ttcaataccc tgatgaggat gtcccatatg ttcttaaaac tagactgata 60
cacttgttgt ccaagtttca tggttttgca ggtgaagacc ctcataagca tctaaaagaa 120
ttccatattg tctgtccac catgaaacct ccagacgtcc aagaaggtca catctttctg 180

aaagcctttc ctcattcttt agaggagtg gcaaaggact ggctatatta ccttgctcta 240
 aggtccatca cgagctggga tgacctcaaa agagtattct tagaataaat tttccctgcc 300
 tccaggacca cgaccatcag aaaggatatt tcaggcatta ggcaacttag tggagagagc 360
 ttatatgaat actgngagag atttaaaaaa ctatgcgcca gttgccctca ccaccagatt 420
 tctgagcagc ttct 434

<210> 9065
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9065

agctntttat taatatatca gttntttccc tatgcaaatt taaaatatgt ttttcaatca 60
 atgggttttat aaagattttg tttatattaa ccagtgttaa tattaagttg cttttctatt 120
 ctaagaagct tttactttta taagtgaagt gtatcttgac tatcttatag ttttatgtag 180
 tatttttttt tcaaaaattc tgtttatacc agttgaacga gttattatta agatttgtcc 240
 atttacattg aattaataac aaaaaattt atcatttttt tatttatttc aatacttact 300
 agtaaaattt taaaaccata aaaattaaac ctaaccaa at cacaaaagaa taatttagtt 360
 tgatttgaat ttcataattc attttaaatt aaccactata ctggcactta attnttttta 420
 tttggattag agntatttaa agcataaatc aca 453

<210> 9066
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9066

tcttggccaa aattgtaaga taatataaaa ttttataatt aataattcat gaaatctatg 60
 ctttcataaa tttccctact ttatttcata agaaaatgtt caccctatgt tagattaaat 120
 aacatattaa aaaacttaca tgtagtaag caagagagtt tctatgtata ttaagagtat 180
 aataacaata aattaagaaa aataagctaa ctttaataag ttaaccatta atgtagttta 240
 ggtaaaattgt tcattcttga ttttaataaaa aatgtttatt ccaagagttt gattttatac 300
 attatatata taatataatt tatatattaa taacatatat gacatcaaca cgatggtgaa 360

ttttaaaatt attataacaa cgaattaaag aaattttaact ccactctaatt 410

<210> 9067
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9067

agctntgagg gattttcaaatt gacaataaact ttatactcgg atgtccgatt gagttccgta 60
atataatcgag acgctccaga ttgaaaatag aagctctaag caaattcaaa cgacaataac 120
tttttactcg gatgtccgat tgagtctcgt aattttattgt gatgctccta attgaaaacg 180
aaagtttgta gcaaattcaa aggataataa atttttactc gaatgtccga ttgagtggcg 240
taatataatcg agacgcttga aattgagaac agaagatcta agcaatttca aacgacaata 300
aatttatagt cgggatgttc gactgagttc tgtaattatc gagatgctcc ggattgaaaa 360
cggaagctcg tagcaaattc aaatgacaat aactttntat tcggatgaac gacagagtcc 420
cgtcatatat cgagataact 439

<210> 9068
<211> 372
<212> DNA
<213> Glycine max

<400> 9068

agatgaggat catccacac ttcggaatgt gcatcatgga aaaacttctt tcgatgatgc 60
cacacacggt catcatggat aatcccagct ttcttagaag aagcaatgtc tacaaaccaa 120
gaccgctcac taacagatag tagggattca tctggaaact catcacatat ctctttctcc 180
ccatgagtaa catctcatt aactaaccta gacaaggggt cagcaaccaa attctcacat 240
cccttcttat ctttgatttc aatgtcgaac tcctagagca gcagcaccca tcttatcagc 300
ttgtgcttgg catcaacctt tgtcagtaag tatttaaatcg tcgcatgatc tgtgagaatg 360
atgaccttgg ag 372

<210> 9069
<211> 388
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9069

ntatacacct tcgagtgggt ntcctctatt cgggtgaata tagtgtctct tctaagtctc 60
ttttagaaat gaaatgtgaa atgtcttaat ctcattattg gttatgagaa attctatctt 120
tgtgctttca ttctgtttc gtcatattat ttttgaaaga ctgtgtgttg ctgtaccatc 180
gatttggggg ttgatttctt tgccaagcat gctcgagta taactagagt gttcataaat 240
ttcaatgtct tcagtgttgt agacctcaa gacttcagt gcttctatat tttacgggac 300
ttcaatgtct cttgtcttgt atatctcaga gacttcaatg tcttcagtct tcatatgttc 360
aagactctaa tgtctttaat cctttaca 388

<210> 9070

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9070

agcttggcct ttatgttgct caccatgttg ttccccctat ctctaacaat ctctcccttn 60
ttggctttga tgatgccaaa cttgaatatg acattgagtg catttggagg gtctgagtga 120
tgtaagctcc attggagctn gtaagcctag gatcttcttc atcaatagat tcctttgctt 180
cttgaagat gaagggcagt ggaatggaga aggaagagag agagtagatg ccacttcaag 240
gagaagatga gtctagaaga agctcaccac cataggaggc catggataag agcttggagg 300
aagaaggaga tgaatgaagg gagacggaga gaagagcacg aaattntgtg ctctaaaaga 360
tctctgaaat atgaagttta atattcaa atncaaatt aaacaaatgc acacacatg 419

<210> 9071

<211> 356

<212> DNA

<213> Glycine max

<400> 9071

tagggttaaa gtctcacgat tgtcacgtgc tcatgcttca attgttagcc gtggctatac 60
gagacatctt gccaaacaaa gtcagggtca cgataactcg cctgtgcttt ttcttccatg 120

ctatatgtag caaagtcatt gatccaataa tgtttgatga gttggaaaat gaggccacaa 180
 ttatactgtg ccagttggaa atgtattttc cccctgcttt ctttgacatc atgattcact 240
 tgattgtgca tctggtcaga gaaatcaa at gttgtggtcc tttatatcta cgggtggatgt 300
 acccggttga gcgatacatg aagatcttaa aagggtatac aaagaatcta tatcgt 356

<210> 9072

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9072

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 aggtgttcat caatggcgaa gttcaagaat cttgctttga tctgtgttgac cagaaagaag 120
 tgagggtgtc atgattggat aattcatatc tctttggtct acaaaagata agttttgttg 180
 ataaattgtt tcaagtgcct tttgaattgg aatggaacca tgtggagggtt acatatgaaa 240
 gtgcgttata tatccttctt aatttctttt ggcattgacta tacaacttct ttaattatag 300
 aagccattaa tggctaataa atttctcaa gtgatgggtg ggcaaagttg cgcattgctt 360
 actangtacc caaacatacc ctatgttata tttgcaattg aggcataatat gcacgtaagt 420
 taaatataca ataaatgttt tatgt 445

<210> 9073

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9073

agcttgtgct taatcattgt aatataccca tgggtaataa aactatgttt gaactctatg 60
 cagcttgttg tgttggtgtaag tcacatatcc caaactgtat attctgctcc ccttgagctc 120
 atatacagtg atttgtggga actctctcat gtttcatctt caaatgactt ctcttactat 180
 ataagctttg ttgatgccta ctaggttcac ttggatctat tttcttaaaa ataaatcaga 240
 aacttttcct atttttcagc agttttaa ac catggctgaa cttcaatttg atactaaaat 300
 aaagagtgtt catacagatt gnggagggtt cattttcaaa ctcatggaat tattcataaa 360

ctgattttgcc ctcacacaca ccaacaaaaat ggctgtgtgg agagaaaaca caggcatata 420
gttgagtttag gtctcaccct actcaaacaa g 451

<210> 9074
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9074

agcttttact gacgcatatg tagaacttgt acctgctttg tctgatctga atgttcttgt 60
tgagacctac tttgctgaca tccctgctga ggcgtacaag accctcacat ctctgaatgg 120
cgtcactgca tatggggttg atttgggccg tggaacccat actcttgatt tgatcaaggg 180
tggatttccc agtggaaaat acctctttgc tggagtgggt gatggaagga acatctgggc 240
caatgacctt gctgcttctc tctactacatt gcanggtctt gagggcattg tgggcaaagg 300
tattttatta aacatgcatt tcatagcaaa tnttgggaga ctattaccta taatatagct 360
atctgatg 368

<210> 9075
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9075

agcttgttgc aaatgcaaac tgcaataaca ttntactcgg atgttcgatt gagtcacgta 60
atacatcgag aactcgaaa ttgagaatat atgctotaag caaattcaaa cgacaataag 120
tttttactcg gatgtccgat tgagtcccg aatatatcga gacactcgaa attgagaata 180
gaagctttga gcaaattcaa acgacaataa cattttactt ggatgcccg ttgagtcccg 240
taatatttg agacgtcca cattgaaaac ggaagctcgt gacaataatt ttttactcgg 300
atttccgatt gagtcccgta atatatcgag acgctcaaaa ttgaaaacgg aagctcgtac 360
taaaagcaaa cgacaataac ttntactcgg aatgtccgat ggagtcccg tatatatcaa 420
gatgctcgaa a 431

<210> 9076

<211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9076

agcttgaagt agttgtttga caagtggcat caataactta agaggggggt gaattaagtt 60
 tcaaaatttc ccactaacia acttttaacc cctttctaaa tgataggctc aaaatgcaga 120
 agaagaaaca atcaatttaa taatgttctt taaacataca agacaaaatt gattgcaata 180
 acataaatga gataaggga gagagaaatg caaactcgat tatactgggt tggccacttc 240
 ccgtgcctac gtccagtcct caagcaaccc acttgagatt ttccacaatc tcggtaaatc 300
 ctttacagac tntgaacaca ccttangatc cctcaccctt gagttcaaag attctccaag 360
 agacaaccag tctcttgatt acaattctca caatccaaga gacaaccagt ctcttgatac 420
 aactgacttt ctgagatgaa cagaaaag 447

<210> 9077
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9077

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 gaatgtatgt atacatgatt ttgatgatgt caaagaagaa tctaacaagg ctacttcaaa 120
 tgataagcat ttgcttcaag aataattcaa gattgcttca acaaacaag ccttgtttca 180
 agattcacta aagaccaagc cttgccttaa aacaaagtgc tttcaagaca tgcaaggctc 240
 tggtaatcga ttaccaggaa gtgtaatcga ttaccgaag cagggttgag aaatagctgt 300
 tgaaaaaggg ttttgaattg aattntcaac atgtaatcga ttaccatatt tctgtaatcg 360
 attaccagca acgaaacttt ggaaattcaa attcaaaagt cataaccctt caaattataa 420
 ctgtgtaat 429

<210> 9078
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9078

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cttatctccc aaacagttnt gccagctacc aaacgtcctt ttcctgatg acttccctga 60
ataccccaca aagtttcagt tcataagcta ccttgaaagc tatgccaagc acttcagcat 120
agccccacag ttcaatgaaa cagtgcagtc tgcaaagtac gatgagacct ttggcctgtg 180
gaggatcaag accatcagga agatcaagaa attaggagga ctctcttcag gtggttggtg 240
tgagtgtgag gttgagtaca tttgcaggtc gcttggtggtc gccaccgggg aaaactcgga 300
gaaagtgggtg cctgagtttg aagggttggg agagnttggg ggccatgtta tgcatgcctg 360
tgattataaa tctggggaag gttatggtgg ac 392

```

<210> 9079
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9079

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agctntatac aagaatgaat ctctgatact acttggttga caagtggcct cagatatctt 60
aagaaggggg ggggggttgaa ttaagatatt acacactatt tcccgaatta aaattctatt 120
tcactttcta ttcaagttac aaattccctt aataatgaac ttcttaaata ttgattcaaa 180
tagaacaatt tgaatataaa gatgaaacaa taataaataa aggagtttaa gggaagagaa 240
agtgcaaact cagatttata ctgggttcggt cacacccttg tgcttacatc cagtccccaa 300
gcaaccgct tgaaagttcc actatcttgt aaaatccttt tacaagttct aaacacacaa 360
ggacaatcct tcctttgtgt tagtattctt tacaacaaga accctcggtc tcttatccct 420
t 421

```

<210> 9080
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9080

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agcttccggt ttcaatttgt tagcatctat ctataaatng cgacactctg tcgggcatcc 60
gagtaaaaag ttattgttgt ttgaattttc taagagtttc cgttttgtat ttgaagcgct 120

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tcgatatatt acgggactca accggacatc cgtgtataaa gttatgggtca ttacaatttg 180
 ctcagagctt gtagtctcaa ttttgagcgt ctcgatatat tacccgattt aatcggacat 240
 ccgagtaaaa agttactgtc gtttgaattt gatacctgct tctgttttca atttgagca 300
 tctcgatata ttacgagacc tcttcgaaca tccgagtaaa aagttattca tcg 353

<210> 9081
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9081

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 ctatatgaga catcttgcca aacaaagtca gggtcaccat aactcgcttg tgctttttct 120
 tccatgctat atgtagcaaa gtgattgac cagtaatgtt tgatgagttg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggctctatt tatctacggg 300
 ggatgtaccc gggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
 gtccggaagc atctattngt gagaggtaga ttgcagaaga agccattgaa ttttggtcag 420
 aatactta 428

<210> 9082
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9082

atccacttta aacaccaagc acaatttctt tagcctctta tctctctcaa caacctcatt 60
 agcaatcaag actccatgca acaactgtct acccttaaca aatgctgact gtctttcatc 120
 aacaagggtga ttcaatacct tactaagcct attagatagg acttttagcaa taattttgta 180
 gacacaacct atgagggata tgggtctgaa atcacttata tgtcgaggat ccttgagctt 240
 acggataaga gcaatgaatg atgaattgag gcccttagga aaagcagcat tcacatgaaa 300
 ttctgccaaa aaccttaaga actcaagttt cagctcattc cataaatgct taataaatat 360

gaaattaaac ccattctgacc ctgngctttt gtcattgccca caagcccaca ctgcagaaga 420
tatctcctcc tctttaaa 438

<210> 9083
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9083

agcttcaagt tgcttggata gcaacttggt ttggaccaac aaagcgtcct gtgatgaaag 60
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agcagtcata ttctcaatca attccatggc ttcttcaggg gtcttcaatt ttatttttcc 180
ccctgtagaa gcatctaaaa gttgctagga ttgtggcctt aaccgctcaa tgaaaatatg 240
gagctggatt ggttttgaaa atccatgagt aggcgtcttt cttagtaacc cacgaaatct 300
ttccaaagcc tcaactcaagg actcgtctag aaattgatga aaggatgaga tgacagctnt 360
tccttcagca gtcttggact ctgggaagta tntcttcaag aatntttcaa ccacttcac 420
ccaagactta agactattat c 441

<210> 9084
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9084

agcttgtaag ggcttgggtg gaaaatgata gtgagactca acttgatat caaccttggtg 60
ctacaacaat tgcaacaaga ccactatcc acaatgagag aacaattttt gtttaaaacc 120
ttacatcttg tatgaaagat gttctctctt tgagttaggg ttaggttaca agattgactc 180
ccaaggagcc ttctcaccat tagaagatta cttcttcat aggtgtaaac ctcatata 240
tgctcatcac ccttggcttc acccttactt ccatttgagg agggagaaga agtagcctcc 300
tcttggctac tatagatgtc ttgactctc atgatcgtgg tttctttgt ggggcattga 360
gaagcaatgt ggcctttccc aatacatttg aagcattga tgttactagt tctatcttgt 420
gaactagcct ttggagtgan ttctctatg 450

<210> 9085
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 9085

cactctaagc accggggcgca taactcttta gccttctatc cggctcatct tccgcattcg 60
 tatacaaaac tccgtgcaac aactgtctac ccttaacaca tgctgactgc ctttcattaa 120
 cacgtgattc gctacctgac taagcctatt acataggact ttatcaactc ttaggtagac 180
 acaacctatg agggatatgg gtctgaaatc acttatatga cgaggatcca cgagcttatg 240
 gataagagca ttgaatgatg aattgaggcc cttaagaaaa gcagcattca catgaaattc 300
 tgccataaac cttacaaact caagtttcag ctcatccat agctgctgac taaatatgaa 360
 agtaaaccga tctgaccctg tgcttttgtc attgccacaa gccacact 409

<210> 9086
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9086

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 atgtttgtga tgcaatccta ctccgcaagg gcattggata gaagactcca agaagattgg 120
 gccggagatg caagagaagg ccctagggtt ttcattgagcc ttagggtaga tttcggggccc 180
 atgggctaag tatgagcccg cttatctttg tacatattag attaagggtt cattatTTTT 240
 gggccttgta tttagggtc cataatatag gtaagggtacc ttagaaatgt aggatttttc 300
 agcccttgta ttttagggca cctagactag tgtttgtatt aggggtagat ttgtaatttc 360
 acatgcattg agcgaatatt tgatgtgtgt ggctagaaat aaaattaatt gaattgagag 420
 aagtgttga 430

<210> 9087
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 9087

ctttccttga gaggatgttc accatgttgc tcatgttggt gcccttatct ctaacaccta 60
gctcatatca tctaagagtc tattaatagt ggaacttgga agccatttta ttttgaaga 120
gttaacagag tggaagtttc acaccttttc tttgtcgatg atattatattt agtgggctaaa 180
gcctccacta agcaagcaaa tgagattaaa agagttatga atttgttcta ctctgcttcg 240
ggtcataaaa taatttttga taattctagt cttttcatct ctaagaatgt gtataggtaa 300
agggcaggag ccattgctaa taagctaaat gtcccttttg tggacaagtt agaattctat 360
ttgggctatc ccattcttaa taaaaggaaa acaacatcta ttataagctc tctagatgga 420
agtctagaac cttattgcta gctggaacga ttac 454

<210> 9088

<211> 224

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9088

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atgtgataag ctatactact cgaaattgtc aagagcttgc gatgttcaat tttgaacatc 120
tcgatatgtt actcgctga atcggacatt cgtctgacaa catattccaa tagagtttct 180
catatgcttg ccttgatga anggcgccgt cttatatgtt atgt 224

<210> 9089

<211> 444

<212> DNA

<213> Glycine max

<400> 9089

agcttataat atattgatat gtcgaaatt taacattgta agctctcgag aaattcaaat 60
ggtcataact tttcacacgg atgtccgatt cgggcaaate acatatcgag acgctcataa 120
ctaaacaacg gaagctatag agaaattcta atgggtcaaaa cttttcacac ggatgtccga 180
ttcaggcgaa ttacatatcg agacgtcaa aattgaacaa cagaagctct cgagaaattc 240
aatgggtcat aacatttaac tcgaatgtcc aatttaggcg catcacatat agtgacactc 300
gaaattgaac aacggaagct ctctgtaa tcaaatgggc ataacttttc acactgaggt 360

ccgattcagg cttataatat atcgatatgc tcgaaattaa acatcggaaa ctctcgcaaa 420
 atcaaagggc ataactttta cacg 444

<210> 9090
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9090

agctntgcgt gaccgagcac cctaccctgc taatcatggt gttggccatc tcagtgggag 60
 ctttgctttt atagtntttg acaaactctac ttctaccctc tttgtggcat ctgtaagtaa 120
 tcataatcct acctaccaa tgatcatgac caccaccata taagctntca tttatttctc 180
 attttttgca tgtattgttc ttgacaggat caatatggta aggtacctct gtattgggga 240
 ataactgctg atggctacgt agcatttgct gatgatgcag aattgcttaa tgggtgcttg 300
 ggcaagtcac ttgcttcttt ccctcaagggt gggttaactt ctattatggt aatgtgntta 360
 ttatattaca taatatgtgc tgcaggttat gt 392

<210> 9091
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9091

agcttccttc gggagcaagt gttacacccc tccaatagct aagctcacc ctccaaaata 60
 catgaaaata caaaaaaag tccctaccac aaagactact taaaatgtct tgaaatacaa 120
 ggctaaaacc ctatactact agggtagccc taactttagt ggtagggttc ccttaatttg 180
 tagggtagct tacaactta aaatgaccaa aatacaaggc ccaaaagaaa gacaatatat 240
 tctaataattt acaaagaaaa gtgggtttat acttagccca tgggcccaca atctacctta 300
 aggctcatga gaacctang gccttctctt acatctctag ctcaatcttc ctagagtctt 360
 ctatccaacg cccttngggg gtaggattgc atcaagttgg acataagcca ccgcatgtgc 420
 tatactgaga ctcaagaaaa tcagttatga t 451

<210> 9092
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9092

agcttgtaat cgattacaca catattgtaa togattacca gagcatatTT tcagaanata 60
 ttctccacag tcacatcttt ttatttggtt cttgaatggc tatcaaaggc ctatatatat 120
 gtgacttgag acacgaattt gccaaagagtt tttcagaaca aaaaggTTTT atcctgttaa 180
 aaagcaaaat cgttttatcc tcttacaaat tccttggcca aaacacttgt gattcaataa 240
 ggaattatTT gagtgctcaa attgttcaat ctatctcttt taagagagat ttcttcttct 300
 cttcttcttt attctgaaaa aggattaaga gaccgagggt ctcttgttgt gaaaggattc 360
 taaacacaaa ggaaggatng tccttgtgtg tttagaactt gtaaaaggaa attacaagat 420
 agtggaaactc tcaagcgggt ttcttggnga ctggacgt 458

<210> 9093
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9093

agctggccag tttaagatgt tagtagtaat attaactntt aagagttcat gttaacaatc 60
 ttgctaaaac gtatctttta tgatgtgtta ctactaatTT ataagtttta tattttatat 120
 agcaatgatt aacacagttg aagttattaa tttgaagtca ataaataatt aatcagcatg 180
 gtaaaataca gaattgatca tgaaggttaa taatatgacg tgtactaatg attgtgtgtc 240
 gaaattttcc atatgatgtg tgctagtgat tgtgtgttgg aacttttcat gtgtattaag 300
 ggtctcagtt aataataaac aaaattaatt tcttgtataa cagatattgt gaaagttttt 360
 ttaagaagtc tttcttatat atacgaataa gaaagaacct aattaatata tctattaatt 420
 gtgtcagagc tccctaatag tagtagta 448

<210> 9094
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9094

gctatcctgt gacacttaaa tctccgcttt ttcagtcgtc tgtaagatga ttgagtgtta 60
taaattatgc aagcctactg tatactatctt gtttcccatg ttttagctga tagggcttga 120
gtgtgcttca cagatggggc atgcatgatg acccttaaca ttggaaccgt tggaaccccc 180
ctatgctgga aactcattca tggtaaatg aagccttgca cacatttcac acgtctgctt 240
gcgaaacgca tcgaacacta caaccgcta gtgccacaat tgtcttatat ctgtcgccaa 300
tggacttaga ttaacatcaa tttcatttgc tagctgtctt gagcccgata tcacatcata 360
caacatcatg tattttcgct ttatgcac 388

<210> 9095

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9095

agctntgagc aaattgaaat gataataact ttatacacgg atgtccggtt ggtcccgta 60
atacatcgag acgctccaag ttgaaaacgg agactcttaa aaaattcata cgacaatata 120
tttttactcg gatgcccgac agatcgctgt aatttatcga gagatgctcc aaattgaaaa 180
cagaagctcg tatcaaattc aaacgacaat aagcttttac tcggatgccc gacagattgt 240
cgtaatatat cgagagatgc tccaaattga aaacagaagc tcgtatcaga taaaacgac 300
aataactctg tactcggatg tctgattgag tcccataata ttt 343

<210> 9096

<211> 316

<212> DNA

<213> Glycine max

<400> 9096

taacaattat gacctctcgg acaacagatt caactctgga tggaggaatc accataacct 60
cagatgggac agacccttaa caacagcgac aggagcctgc tcctttcttc caaacgcga 120
gctggcccaa gcagaccata cattggtaca ccaagtctac atccgcacct accccataaa 180
caggcaacag gtgacgcccc ttcacaacct accctcgaag aagttgagaa gcaaatgact 240

atgctgaaca tgcagtttat gaagagacca gagccttcat tcacagccta accaatcata 300
 tgggacaatt ggctat 316

<210> 9097
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9097

ttctntctac tctatatgcc tctaaaatga atgacatgat ttggatgaag tgaatatata 60
 tttcttttaga gacaaaacat gtgtagttag tgagaatatg tacctaatta aaaatttata 120
 tgaaatataa attgaaggat tgtgcttacc ataatgtgtt acatatgcac atatttgttt 180
 gatctacctt gtttatattt ttaattataa catagaatct tctattaatt gttataattg 240
 aattgtttgc atgcaatagt tcttctcttt gagttttgtg tgaaatcata tttctagata 300
 ttgaattgtg caatgtgcaa atatgtttaa atctatagat gatatatgta tgttgcttta 360
 atgatcattg aattacataa atgtaaatat ggttgtgcat cccgtcataa atgagtatgt 420
 tataacttttt att 433

<210> 9098
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 9098

tctcgatata ttatgcacat gagatcggac cttcgagtga taagatatgg ccatttgaat 60
 attgcgagag cttccgctgc tcaatttcgc gcgtctcgat atattatact cctgaatcgg 120
 acctcctagt gaaagggtgca gaccatctga acttctcgag agctcacgtt gctcaatggt 180
 gagcgcctag atatatgatg cgcctgactc agagcttcga ggggcacgtg atgaccatcc 240
 gaatttcacg ggaggtggga gcgctcaa 268

<210> 9099
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9099

agcttatggt gcanacattt ataatagacc ttatcagcag gataaccaac aatagcagaa 60
taattatgat ctttcaagca acagatataa tccagggttg agaaatcatc caaatctgag 120
atgggcaagt cctccacaac aacaacagcc tgctccctcct ttccagaatg ctgctggtcc 180
aagcaagcca tatgttcctc ctctaatacc gcagcagcaa caacatcaat cacaacaaat 240
acaacaagca actaaggctc ctctcaacc ttccttagaa gagttagtga ggaaaatgac 300
catctagaat atgcaatttc agcaagagac aagagcctcc attcaaagtt tgacaaatca 360
gatggggcag atggctactc agttgaacca agctcagtc caaaattcta aaaaatggcc 420
ttcacaaact ct 432

<210> 9100

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9100

ngactctacc ggagatactt tcacaaacat gagagtnttg gcattacccc ctagtgaatc 60
actcatcaac atagttagct tgtgatttct gtaaggatg tggtgaccac cagaagacaa 120
agcactaata acatctccta gtgctgataa tgatttggtg atactttgag cttctttaag 180
ttgactacct gaagagcccg acntgtttac tctntctgag ccagcaagat ccacaaaact 240
taactgtatg acaaatgaca tatccagcat aaaaaagtta aaaaaactgc aatgcctcga 300
ggtcataaaa tacttggtgtt tcacattgcc acaaaatata ggaagaatat ggtatattaa 360
cattcactat gatattcaaa ggtaaaattg aagtaatgta caccaatacc ttttccttg 420
cagttga 427

<210> 9101

<211> 350

<212> DNA

<213> Glycine max

<400> 9101

tggatttcct tgtagtttga aatctatcgt tcctaagatg gagcccaacc caatcacct 60
cattaagaac tagcttggtt ctctctctat tgcctttagc tgaatacacc tttggttggg 120

tctctatattg gttcttaact ctctcatgaa acttcttcac aaactctgac ctagattccc 180
 cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtcaaac ggtgttaggg 240
 gattaaaccc atagacaacc tcaaaagggg actacatgag gaagatactc atcccaagac 300
 ttatggttgc ctttcagaag agctcttaaa aaagtggata aagacctatt 350

<210> 9102
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9102

tgtgcattca atatcctgat gaggggtgttc catatgttct caagactaga ctaatacatt 60
 tgctgcccaa gtttcatggg cttgcagggt aagaacctta taagcatctt aaggagtcc 120
 atattatattg tttcaccatg aagccccctg atgtccaaga agatcatatc tttttaaagg 180
 cttttcctca ttctctggag ggagtggaaa aagattgggt atactacctt gctctcagg 240
 ctattttcag ctgggatgac cttaaaaggg tgttcntgga gaaattcttc cctgcatcta 300
 ggaccactgc catcagaaaa gacatttcag gcatcaagaa acttgggtgga gaaagcttgt 360
 atgagtact 369

<210> 9103
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 9103

ggaaaacttc acttgttacc atttaaacc tttcctctc atgctaaaga acctttagat 60
 ttgattcata gtgatgtatg ggggccagcc ccaatcttgt ctccatctaa tttcaagtac 120
 tacgttcact ttattgatga tttcagcaga ttcacttgga tttttccctt gaaacaaaa 180
 tcagaaacaa taacggcttt tattcaattc aaaaacatgg ttgaaaatca gttcaacagg 240
 aaaataaaaag ttcttcaatg tgatgggtgga ggtgagtata aacctgtcca gaaaatagcc 300
 atagagtcag gaatccaatt tagaatgtct tgcccatata cctcccaaca gaatggtaga 360
 gcagaaagaa aacatagaca tgtagctgaa ctagggtca cactactagc acaggcaaaa 420

atgcctt

427

<210> 9104

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9104

ntntattttc agtagatgga gatgaatcta tggtcacctc atggaatcct ctaagaacaa 60
tagcatcatt tcttgcacta aattgttggg agttggaagc catcttctca atcaaattcc 120
tagcttcagc aggggtcata tcaccaagag atccaccact ggcagcatca atcatactcc 180
tctccatggt gctaagtccc tcatagaaat attaaagaag gagttgctcg gaaatctggt 240
ggtgagggca gcttgcacac aatttgttga atctttccca gtactcatac aagctttctc 300
cactaagttg cctgatgcct gaaatgtctt ttctgatggc tgtggctcta gatgcaggga 360
aaaattttct caagaacacc ctattaaggt catctcagtt gaaaat 406

<210> 9105

<211> 280

<212> DNA

<213> Glycine max

<400> 9105

tcctctccaa aaacactacc ctcgagaaaa tcctatattga tccatgatcg cgcgtgcaat 60
cttttggttt gataggaaat catgtgcaaa ataaagtcag ggtacaacta tggtttgga 120
ttggggtaaa acacttacct gtgtgagttt ttatacacca tgagtgattt tattcccaat 180
ttcgatttga cccgacgttt cccctgaatg ttcatttaaa agctaaacgt tgacatccta 240
cctttcattt tcggttacia ggaaaactat ttttggcata 280

<210> 9106

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9106

agctngccct ttcattcaat ttagactaac caataataaa ttgtttttgt ctccatcttt 60

ttttcgttnt tgcattaaca ttggttatcc tccgcctaac attggttgcac tacccaaacc 120
 cacatgtaag caccattaat ctgcctcttc aatgctccac accaccaaaa acatgacaac 180
 atcactactc ctttaccata cgaccaatac ctataaacct agatctgaca cccaaaactc 240
 aacacattcc tccaaccacc ctcacaaaaa accccattgg cacacaaacc accatcacct 300
 tagcatcgtg acacaccacc attatagccc tgccaaccca tgattcacca taaccganaa 360
 ctaccaccac caccatctcc ttctaaatca ttaacctcga ttcanaacat gtttcgatta 420
 cccacanagc acggttctag aagcanacca taacg 455

<210> 9107
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9107

ttcttgagag gcttctttga gaagctaaca ctntaactac taacaccctn ttaataacta 60
 aactcacatc cttgaaaata attacggata aaataacata acaaataata tcaaacaatca 120
 aacataatta ctaataatat atagatatat atcaagggtg tacaactctc ccacccttn 180
 tgaaatttcg tcctcaaaat ttacctgact caaacaagga tggatgagct tctcgtatct 240
 gactctctaa ttcccacgtg gcatcttctc ctgatgcacc tcccagatc accttgacca 300
 acagaatctt tttccctctt aggtgttttg ttcacctatc ctcaatcctc aaaggcaatg 360
 tttcatatgt caaattctcc ttcacttgta catcatocaa ttcaatcaca tgggatggat 420
 cacggat 427

<210> 9108
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9108

agctgttaat gcattatagt atagttttct catatattag aaatattaaa tatctaattt 60
 catatttgtc ggtaattga tcgactaatt ttattataat taaacactct caattaattt 120
 ataagttttc agttagcttt caactnttca atagtttata aatttttaac tatcttataa 180

gttttcaagc tagattataa actaatttta tcaaacatat taaaataag ctactttgaa 240
gtaatttgtg gaaaataaat tactaaaata agttcatgta ccaaataatc ttaattttct 300
tataagaact tacaagctca tcagaagtct caagagtgta ttaacaaga catttcagtt 360
agttattaat ttatttacta actaanaaaa acttatttaa atgttttagta caataattga 420
gtgtcaaata agaagtctca taactttg 448

<210> 9109
<211> 458
<212> DNA
<213> Glycine max

<400> 9109

agctttctcc actaagttgc ctgatgcctg aaatgtcttt tctgatggca gtggtcctag 60
atgcagggaa gattttctcc aagaacaccc tcttaaggtc atcccagctg ataacggacc 120
tgtgagcaag gtagtatagc caatcttttg tctactccctc cagagaatga ggaaaagcct 180
ttagaaagat atgatcttct tggacatcag ggggcttcat ggtggaacaa aaaatatgga 240
actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaactct ggcagcaaat 300
gtattagtcc agtcttgaga acatatgaaa caccctcctc aggatattga atgcacaagc 360
tttcataagt gaaatcaggt gtagccattc tctaagagt cctcttacga aggtggaggt 420
gagccatgtt ctcatgtatga aaattagtag cggaatgt 458

<210> 9110
<211> 319
<212> DNA
<213> Glycine max

<400> 9110

gcttgtaatc gattacacat atactgtaat cgattaccag agcagaattt tagaaaatat 60
tctcaacagt cacatctttt tatgtggttc ttgaatggct atcaaaggcc tatatatatg 120
tgacttgaga cacgaatttg ctaagagttt ttcagaacaa aaaggtctta tctctttaa 180
aagaaaaatc gttttatcct cttacaaatt ccttggccaa aacacttggt attcaataag 240
gaattatttg agtgggtcaa atgttcaatc tatctcttcc aagagagaat tcttcttttt 300
ttcttcttca ttctgaaaa 319

<210> 9111
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9111

tccatcatca cgataccgtg ttctattggt gaggttgatg taggcaaagc tcttagactt 60
 gggagctagt atcaatttaa tgectctctc catgtgctgg cgactttgag agatagagat 120
 aatgcccaca cgcatgaccc tccagttagc tgaccgctcc atcacaaggc catatggagt 180
 cattgaagat gtttttggtga aggttaaacc ccttatattt ccagatgatt tcattgtcat 240
 agatatagaa gaagatgctg acattcctct cattcttggc tgcccattca tgtctactgc 300
 aagttgcgtg gtagacatgg ggaagaagat gctgcagatg ggcataaaaag accagaagat 360
 cagctntgat ttgttccatg aggacaaaaga cccacctagc caaaatgtct gtcttaaagt 420
 gcatgtgatg gag 433

<210> 9112
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9112

ttgtccgcaa aagttactta aaaccgtttt gaggtccaac gccttanacg gttctctntg 60
 cttttatcgg ttaacatgga ccgttcaaaa gcataaaatc aacacataac tttactgctt 120
 ttgcaaaaac tacttaagtt tgatttcctc atcgcaattg aggatacgta ggagcaaaag 180
 ccccgttttt gtcgaccacc ccaagagatc gttaatgggc caatgcctta acgttttctc 240
 cctttcaaaa accaagagat cgtttatggg ccaatagctt aatgtttctc tccttttcaa 300
 aaccaagaga tcgtttatgg tccaatagct taatgtttct ctcctttcaa aaccaagaga 360
 tcgttaatgg tccaacgcct taatgtttct ctcctttcaa aaaa 404

<210> 9113
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9113

tgcaatcatt tgggtataaaa ttcacccagc cttgtggctc tacacaaggg tgtctgcaac 60
cttctaaaaat agtatctcct tcctcctatt aaaatcaaaa tgacaatgtt aaatgctatt 120
cggaaaaaga tccctccaac caaaacaagg gataaacaga gaacgaagg aaatgcgaga 180
agaaaagaat gtagtaattg tgaaaacaac aaattaagta ccaatgaagt gatgtcacgc 240
cttgtgtagg gagtatgaca actagaagcc aaatcagcaa atctcaacta tagattccta 300
tccatgtaca ttctttaaca taaattcatg gatagtggcg ttctactaaa tgttgtcatg 360
acaagagtat attcattaga catcaaaatg gacgttatag t 401

<210> 9114

<211> 473

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9114

agcttgtcag tttattccca aaaacctgcc tagtcgaaga atatggcttt caattgaatg 60
acaatagtct cttaaataat tcattggcgt atcagttcac tcacttgaat tacaacatga 120
tagatactta actgataaat aatatatatg tgatatgagt aattaattaa aactatatat 180
atataggaca aagatatatt attgattaaa tttttaaaaa acaaaatatt gttagtgatt 240
atTTTTTTTaa atgaatatat gtaacataat tagaattgac agtaaactgt atggtaaaaa 300
acacagttat aatattaaga aaaaaattta atcaaatctc ctattntaaa tataactatg 360
cttattataa taaaatatta aaataacata attgtatgtg gatgtcctaa tacaactgtc 420
actaatcctt tntaaaagaa actttatact cannattgat aaagtttatc aat 473

<210> 9115

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9115

tgtaatcgat tacacaaata ctgtaatcga ttaccagatg agtttttcag aaaatattct 60
caacagtcac atctttttat ttggttcttg aatggctatc anaggcctat atatatgtga 120

cttgagacac ngaatttaca agagtttttc agaacaaaaa ggtcttatcc tcttaaaaaag 180
 aaaaatcggtt ttatcctctt aaaaattcct tggccaaaac acttgtgatt caataaggaa 240
 ttatttgagt gttcaaattg ttcaatctat ctctttcaag agagattact tcttttcttc 300
 ttcttttatt 309

<210> 9116
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9116

tcaagcttgc cggtgaacac agttgagatc cgtttggatc accgggcagt gcactcgcac 60
 tgggtacaacc ttgagagggt tggctttggt gtgttggagg gtgacaagag gaatgagaca 120
 aaattctcaa gtaggattca cctaagggtg tgtcttgagg gtgcttatca tgtgcttgat 180
 gagtccacaa tgtatattag tgacacaagg cctactgcta gacaactttg gaaacaacca 240
 attgggattc ttgaagtggg gatattgagt gcccaagggc tccaatctat gaagaaaaac 300
 aatgctaaaag ggtcaacaga tgcttattgt gtggccaagt atggtcagaa atgggtgaga 360
 actangacta tcactgagaa gcttaatcca aaatggaatg agcaatatac atgggaagtg 420
 tatgatcctt g 431

<210> 9117
 <211> 408
 <212> DNA
 <213> Glycine max
 <400> 9117

tagactaagt tcattctacc attctcagat tgatggccaa actgaatgga ccattttgtc 60
 gctggaggac cctttgaggg tgtgtgtctt agagcaaaaag gggagttgga gagttttctt 120
 ctattgctag agttcactta taataatagt tttcaatcta ccattgacat gactccctat 180
 gaagctttgt atgatagaag gtgtaggaca cccctatggt ggttggagcc cggagaagac 240
 ctcaccttag gacttgaagt tgtacaacaa accaccgaga aggtaaagtt gatccaagaa 300
 aggatgagga gtgctcagag taggcataaa agttatcagg ataaaaggag aaaatgatgc 360
 aatcctaccc ccaagggtat tggatagaag actccaagaa gattggac 408

<210> 9118
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9118

agctnggtag ctngagaatg ngccacacag atactcctac caagagctca agaaaacaac 60
 aaaaggggttc aaggacaaag agctacttgg acaaggggtgg attggtagtg tttacaaagg 120
 aacattgccca aattccaata cccaagttgc tgttaaaaag aatttcacat gactccaaac 180
 aaggccttag gaaanttggtg tcagaaatag ccagcatagg cccgcttcac cactggaatt 240
 tgggttcgggtt gcttgggtgg tgtctccgcc gtgggtgacct cctccttggtg tatgatttca 300
 tggaaaatgg gagcttagat aagcaettgt ttgatgagcc agaaacaatc ttaagttggg 360
 agcaaagggtt taaggatcatc aaggatgttg cttcagccct tttgtatctt cacgaggggt 420
 atgagccggt ggtgatacat agagatgtga aggctaacaa tgtgcttcta gatg 474

<210> 9119
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9119

agcaagaata tcagaatact catgtcaata cttgataaac ttgctcaacg tctttaaagt 60
 catcacttta ataaccggat catcactcac aacatattca tgcagaaaac attcaatttc 120
 ccatacttgc ataaagtagc gattagatgt tggataagat aagcccaaaa tcaaattagt 180
 catgacataa aagggggcttc aaaaactcac attntttcag cctttccatt tatcatttga 240
 tggacattga acatagtttc tatcaciaat agccaaacaa ccaaaagcac attggtactt 300
 aattgcactt tcaagcataa cataggtgga attccattaa gtggctacat ccattctcaa 360
 acccacctta gtaccaatac cactcacttg aagaacacac tctntgaatg caatctttct 420
 tgcctccaat ggctttcaca tatttatact atttcttata 460

<210> 9120
 <211> 429

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9120

atgaatattn tattnttttt tatgataata ctaattntag ttntacttnc ttataaattt 60
taattnttct ttgtgtttct tcaatatatt aatatatcag agttgaaaat ttaatcaata 120
tgaatctatg attataaaac tttaggaaaa ttaattaaag ggggtgacatt ttgtaataac 180
atatcatatt tttttatttg taggaatcaa agacaatgtc aaggggttta caacaactta 240
cacaccctta gtcaaccaac tgagctagac ccccttgga catgtcacat tntaatttga 300
ataaaaaatg agacataaaa caaatagaac ttcaatttat ttataaaana atatattaca 360
aaactntaat tntttttaat aattntgggc cttnttagt tgtgggcca atactatcgc 420
acctctgga 429

<210> 9121
<211> 410
<212> DNA
<213> Glycine max

<400> 9121

taacaaaagg catgcgaagt ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60
taaaaaggga aaaggtaata ttgtagccga tgctctttct cagcgtcatg cattactttc 120
tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agaattgatg aaaatgatga 180
aacatttgga gaaattttta aaaattgtga aaatgtttca gaaaatgggt tcttttagaca 240
tgaaggcttt cttttcaaag aaaacaaatt gtgtgtacct aaatgttcta ctagaaattt 300
gcttgtttgt gaagcacatg aaggagggtt aatggggcat tatgggggtcc aaaagactct 360
agagacatta gaagaacatt cttattggcc tcatatgaaa aaagatgtgc 410

<210> 9122
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9122

agctntcaat gttcttaagc aaaagctaac taatgcccc atacttgcgt tgccaaactt 60

tcaaaaatct ttgtgaaattg agtgtgatgc ttcaaagtgt gggattgggg ctgtgttgat 120
gcaagaaggt catccaattg cttattttag tgaaaagtta agtggtccta cccttaacta 180
ttcaacttat gataaggatt tgtatgcctt agtacgggct ttgaaaacgt ggcaacacta 240
cctttatccc aaggaattta tcattcttag tgaccatgag tccctcaa ataatcaaggg 300
gcaaggcaag ctttaacaaa ggcattgcgag tgggtggaat tccatagagca attcccttat 360
gttatcaaac a 371

<210> 9123
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9123

tctgggtgga catcttgact tgctttccaa tctgacattc accacagatt ctgccttctt 60
ctattttcag atnggggatg cctntaacag cacctttgtc aatgattttc ttcattgcctc 120
ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcattcttct ttggaggata 180
gacatgtgga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240
tgctgcctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300
agtttacatt gaaccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
ccttcaccag cagtactttg ttcagactan gaagtccatc atga 404

<210> 9124
<211> 429
<212> DNA
<213> Glycine max
<400> 9124

agcttcacct tcctctcagg ttcaagcttg ttttcaacct caaagttctt ctccaaagcc 60
ttcacttgat ccacacttag acgacgttc ttctcagatt gataccccgg ttcttcaaca 120
cacccttctc cgtcgagtcc gtccaacatc gattggaact ccctaccata catgtgttgg 180
ctgttctctg gactatgttc ctctaaacca atacaaatca gacataatcg ttagtataaa 240
taaccaacct aaaacatgga tottggtatc gtgtctgaat ttaaaaaaac aaagcaaac 300

aaaaatcaat attatagaag tgtgatttaa ttaattaatt aagcacctgt tgatggacaa 360
 attgtcatga gggcactgga agaactctgag ctgctaagtc tcttcatgag tgggaaagat 420
 gtgatctta 429

<210> 9125
 <211> 440
 <212> DNA
 <213> Glycine max
 <400> 9125

agcttgtcaa cttatatatc agtgaagtga ttaatttaca taggataccc actagtagac 60
 actcgtttta cttctagatt ttgggtaagc ttgcaagaag ccctaggtaa aaagttgaag 120
 cttagttcag cttatcacc ctaaacagat ggtcaaactg agagaaccat tcagtcttta 180
 taagacctta tgagagcttg tgtaatagga caaaagggtta tttgggatga gtatttacct 240
 ctagtggagt ttaccacaaa caatactttt catgctagta tacatatggc tccatttgaa 300
 gccttatatg ggaggaagtg tagaacacca ttatgttggg atgagactgg tgagtctctt 360
 ttgatagtgt tgagtttggg tgcattcaag tcacattgga ctgtacaaa caaagttaaa 420
 tcctgagggt ttgatgtaac 440

<210> 9126
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9126

taagaaacag ttagaggagc tcttagggaa acaatttatg aggcctagtg catcacctg 60
 nggagcgaca gtgtgttag ttaagatggg accatgaggc tatgtgtaga ctattatcag 120
 ctgaacaagg tgacgattaa taataggtac cctttgccta tgatagatga catgatggac 180
 caaatagtgg gggcttgtgt gttcagtaag atagatctca ggtcaggtag caccatatta 240
 gagtgaagtc taaggatatt ccgaagactt cctttaggac ccattacgac cattatgagt 300
 acttggttat gccttttggg gtgaccaaca cccatgggtg gttcctggac tagttgaata 360
 ggatctttca tcctaccta gatagttntc tagtggctct catagatgat accttggg 418

<210> 9127
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9127

agcnttttgac atgactgggtc tangaaagat gagattcttt cttggcattg aagttttgaa 60
 gaaatcataa cggattctct tgtgtcaaag aaaatatgcc actgatctct ggaagaagtt 120
 tgcaatgtct aagagcatac ttgtgaaaag tccaattggt tcaggcttta aaattattaa 180
 agatgctgat ggcgcagctg tggatgacac ttatttcaag caaattgggt gaagtttaat 240
 gtatcttaca gctacaaggt cagatataat gtatagtgtg agcttaatta gcagatatat 300
 gccaaaacca acatagttgc atttacaagc tgctaaaaga atataatgta tttaaaggaa 360
 ctc 363

<210> 9128
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9128

atactaagct tatggatttc tcataagctt aatatcagaa agggacccaa tattcatgag 60
 tcaattctag cacgagcttt tcaagttgta tgggactaag ctgcgtatga gcaactgctta 120
 ccatcctcaa agtgatggac aaactaaagt gcttgattga gttttggaac aatatttgtg 180
 ggtgttagtg catcataagc catcctaagt ggataagttt ttgtatcttg ctgaatgggt 240
 ctacaacccc actactcatt tagccactaa tttaacctcg tatgaaattg tttatggtaa 300
 gcctcctcct agtattttcca attatcaagc tggaaccttt gccgtggaag caattgaatt 360
 ttttctgact ttgcgccaag aaacctttca cctacttagg aagaagcttg aaaaggccta 420
 ngaacatatg anaaagaatg 440

<210> 9129
 <211> 480
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9129

agcttatacg gcctaggatg tggttntgtg actaaattca atttaaacac aagtcttgca 60
cttgccacat tgggtacaact ccctccatca atgatacaca tgcaaaacttt gtcattgatc 120
aaacatctag tgtggaaatt tttttctctt tgactntcct ccatagactt caattgatgg 180
ccaagtaacc gtctaatacat caacaattct ccctccagtg ttttctccac ttcctcttca 240
tcatactcac tctcttctcc cttttcaact tcggactcac taatatactc tccatctcta 300
agaatcatgg ctttcttggt agggcactca tatgcataat gtcccaagcc ttggtgtaac 360
atccccatttt ttcgtatata aaattntaga gaataatgat gttttataat taaataaata 420
aagaacaata gttataataa aataatggtt tgagagaaaa taagaagagt attttattat 480

<210> 9130

<211> 472

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9130

agcttcaaca tcagaccact tccaggggtgc tggaactact tcgcatggac ttgatggngc 60
ctatgcaagt tgaaagcctt ggaggaaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcactctc 300
atgagttctc tcgagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga agctgctagg gtcatgcttc atgccaaaga acttccctat aatntctggg 420
ctgaagccat gaacacagca tgctatatcc acaacagagt cacacttaga ag 472

<210> 9131

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9131

ntgagcaaatt tcaaacgaag ataactntat attcggatgt gcgattgagt cccggaatat 60

atcgagagggc tccaaattga aaacggaagc tcatatcaaa ttcaaaggac aataactntt 120
tactcggatg tccaatagag tcccgttaata tatcgaaaca ctccagattg aaaatggaag 180
ctcgtatcaa attcaaacga caataacttt ttactcagat ctccaataga gtcccgtaat 240
atatcacgac gctccaaatt gaaattggaa gctcgtatca aattcaaacg acattttactt 300
ttaacttggga tgtccgattg agtcccgtaa tatatcgga cgctccaaat tgaaagcaga 360
agctctaagc atattcaaac aacaataact tnttattcgg at 402

<210> 9132
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9132

agctntgagc caattcaaac gacaataact ntntactcgg atgtctgatt gagtcccgta 60
atatatcgag accctcgaaa ttgactgttg aagctctgag ccatatcgag aactcga 120
ttgaatgttg aagctctaag ccaattcaaa cgacaataac tattttctcg gatgtcctat 180
tgagtcccgat aatataatcca gacgctcgaa attgaatgtt gaagctctga cccaattcaa 240
acgacaataa ctttttactc ggatgtctga ttgagtcctt taatataacg agacgctcga 300
aattgaatgt cgaagctctg agccaattca gacgacaata actttttact cggatgtttg 360
attgagtccc gtaatatatc tagaccctcg aaattgaatg ttgaacctct g 411

<210> 9133
<211> 422
<212> DNA
<213> Glycine max

<400> 9133

tcaagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccactat tggaaaaatt ggaaaacccg catgcaaata 120
tttatagagg caatagattt aaatatgttg gaagccatag aacaaggacc ttatgttccc 180
tctatagtgg ccggttgtgc aacaatagaa aaacctagag cagatttgat tgaggaagaa 240
agaagattag tacaatataa tttaaaggcc ataaatatta ttacatctgc cctaggaata 300
gatgaatact ttagggtttc aaattgtaaa agtgctaagg atatgtggga taccctacaa 360

gtaacacatg aaggcacaac aaatgttaaa agatctacga taaacacatt aactcgtgaa 420
ta 422

<210> 9134
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9134

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggggttg aattaagata ttccaaactg tttcccctaa ttaaaaatct 120
atttcacttt ttactcaagt tatgaattcc cttaatgaca atcttcttaa atattaattc 180
aaacgaagca acttgaatat gaatttaaag ccataataaa taaaggagat taacggaaga 240
gaaaatgcac actcagtttt atactgggtgc ggccacaccc ttgtgcctac ttcagttccc 300
agcaaccgcg tgagagtcca ctatcttgta aattctttac aagtctaaca 350

<210> 9135
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9135

agcttctcga tatattatgc acatgaatcg gacctccgag tgacaagtta tggccatttg 60
aatntttcga gagcttccgc tgctcaattt cgagcgtctc gatatattat actcctgaat 120
cggacctccg agtgaaaagt taagaccatt tgaatttctc gagagcttcc gttggtcaat 180
tttgagcgtc tcgatatatt atgcgcctga gtcggacctc cgagtggcaa gttatgaaca 240
tatgaatttc tcgagagctt ccgttgctca atttcgagcg ttagatata ttataactct 300
gaatcggacc tccgagtga aagttatgac catttgaatc tctctagagc ttgcgttggt 360
caatttcgag cg 372

<210> 9136
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9136

tggtaaccta ttggaggctc ccaacacact tccaatgaaa gacctttttg ttacaaaact 60
tgaacgcaat gaaggtaagt aaattgccaa ttacaaaatt acaaaacggt cctcaatttt 120
ggtggttggt ctctcttttg tgatttactc aatttggagt gattcttagt ccaatagctc 180
ttaagttggt tggccccttg cttcttgact caaatctctc aagggatggc accaatcctc 240
ctttctaatt ccctatatgg caactcacia acaaggagac aaagagacaa gcaataacca 300
aagacaaaaa aaaatgaaat gaaagctaaa ccaatagagt tttaacaaga caaattttca 360
aggattattc aacaattaaa gcaatgaaaa gcacataana gcaagctagg actcaaaga 419

<210> 9137
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9137

gcctgatgcc tgatatgttt tttctgatgg cagtggctct agatgcaggg aagaatttct 60
ccaagaacac cctcttaagg tcatcccagc tgaaaatgga cctgngagca aggtagtaca 120
accaatcttt tgctactccc tccagagaat gagggaaaagc ctttagaaaag atatgatctt 180
cctggacatc aaggggcttc gtggtggaac aaacaatata gaactcctta agatgtttat 240
aaggatcttc acctacaaga ccatgaaact tgggcagcaa atgtattagt ccagtcttgt 300
taacatatgg aacaccctca tcaggatatt gaatgcacaa gctttcataa gtgaaatcag 360
gtgcagccat ctccctaaga gtccctctcac gaggtggagg ttgagccatg ttctcagcaa 420
aatcagaata ttcagaatcg cccctcaaca 450

<210> 9138
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9138

agctngaagg caaactggat gcattgggta acttggtaac ccagctggcc ttgaatcaga 60

aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
 tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaacc acggtagagc aattatgacc 240
 tctccagcaa cagatacaac cctggatgga ggaatcacc taacctcaga tgggccagcc 300
 ctcagcaaca acagcagcag cctgctcctt ccttccaaaa tgctactggc ccaagcagac 360
 catacattcc tncaccaatc caacaacagc aacaacctca gaaac 405

<210> 9139
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9139

tgtcagttgt gtcattgtga ttttttttaa agctatacac tagtgaaata gtgatgactg 60
 atgagtcata atattctgtg atacaaatgt atataagtgc atatacaata tgcatatcat 120
 aacttaaaga aaaaaataat atacatacat atatgtttaa gaactaatat cacatttaca 180
 ctttatttgg gctgattatt agttntatit atttttttaa taaaactagt ttttagtttc 240
 taatttgagg attttttatt tctggtttta aaagttaa atgtcaatctta caattttctt 300
 aaaaaagata aaaaaaaaaac atgtagggct ctttacctga agttgtgata aaaggatcca 360
 gagcaagagt ataataaaat agaataataa atatttttagt ggcttttgtg agttaaactc 420
 atattgg 427

<210> 9140
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9140

agcttgtctg caataccata gggttattag ttntaaaagc attctctgtt taagaaaaga 60
 taagaagggt gattcaattg ttcatgcctt ggttactgaa taacttccgt tgtgcttagc 120
 aattcttttg tgggtggcatc ccatgctcta atgtcacaac ccaatcataa aggagcctac 180
 atatatgtat ataccaaaaa aaatgtactt agtatgcana atatnatttt cctcaagcaa 240

ttctttatat ggaaatgtct aagcaacatg tggttaannat tttggtacaa gttaccttag 300
ctaagtgcca tatgctgaaa tgagcgcgat atttctctntg tgtcatgcct ccatttccaa 360
cttctagcat gt 372

<210> 9141
<211> 286
<212> DNA
<213> Glycine max

<400> 9141

tattgggcat taaagttttt gaacttcgat tcaaagtcgt ctagtgaaca caggaagctc 60
caactccatg aattggagga attgtgggtt caagcttatg agaattccaa gctttataag 120
caaagagtaa aaatttatca tgacaaaaag ttgtcaaaaa gaaattttca gcttggtcaa 180
cacgtattgt tatttaatta tagattaaga ttgtttccag gtaatctgaa atccaagtgg 240
ttcggacat tcacatcaa agaagttatg ccacatggag cagtga 286

<210> 9142
<211> 381
<212> DNA
<213> Glycine max

<400> 9142

tggaatattt caagcaagag tttggagtgc acattgaagt tacaaagatg tggagagcca 60
tgaaagaagc aaagcaatta gtggaaggga atgagaggaa acaatatgcc aaagtatttg 120
attatgcaca tgaattgttg aggagcaatc ctggatcaac agttaagatc aacacagtgc 180
caagtccaga aggtccacca caatttcaga ggctatatat ttgtcttgcg ggctgtaaga 240
aggggtttgt tgctggatgt agaccattca taggtctaga tggatgtttc ctaaagagtg 300
catttgagg aaacttgctc tctgctgttg ggcttgatgg caataaccac atctatgtta 360
ttgcttatgc tgttggtggac a 381

<210> 9143
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9143

agctngaagg caaactggat gcgttggtca acttggtaac ccagctggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc atcgagagc aattatgacc 240
tttccagcaa tagatacaac cctggatggt ggaatcacc taacctcaga tggccagcc 300
ctcagcaaca acaacagcag cctgcttctt cctttcgaaa tgctgctggc ccaagcagac 360
catacattnc ctcacnncat ccacaacagc aacaacc 397

<210> 9144
<211> 293
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9144

tctatagaag gttcgttcct aatttctcta caattgcac tcctctcaat gagctggtga 60
aaaagaacgt ggcatttacc tggggtgaga aacaagagca agcctctgct ttgctcttag 120
aaaagcttac ctaagcacct gttctagctc ttctgactt ttctaaaacc tttgagctag 180
aatgtgatgc ctctggagtg ggaggtggag ctgtattgnt acaaggtggg caccctattg 240
cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gat 293

<210> 9145
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9145

agcttgtaat cgattacaca catactgtaa tcgattacca gaggagattt tcagaanata 60
ttctcaaca caacatcttt tcatttgggt cttgaatggc catcaaaggc ctatatatat 120
ctgacatgag acacgaattt gctaagagtt tttcagaaca acaagtattt attctctcaa 180
aaagaaaaat cgttttatcc tcttaagaat tccttgtcca attcaattgc aattgattaa 240
ggaatcattt gagtgtcat attgtaaaat ctatctcttt caagagagat tcattcttct 300
tctctttcta attcactaag ggattaagag accgagggtc tcttggtgta aaagaattct 360

aaacacananag gaaggattgt ccttgtgtgt ttagaacttg taaaagggat ttacaagata 420
gtggaactct caagc 435

<210> 9146
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9146

tcttagtctc agatgatgca gctaagtttg tagctatctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctgag agttggaagc catcttctca attaaatttc 120
tagcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaat attggagaag aagttgctct gaaatctgat 240
ggtagaggga actcgcgcat agttttttaa atcgctccca gtactcatac agactctctc 300
cactaagttg tctaatacct gagatatacct tctgatgac tgtgggtcttg gaagcagggg 360
aaatnttttc taagaatact ctcttaaggt catcccagct tgtgatggac cttggagcaa 420
ggtaataca 429

<210> 9147
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9147

agcttagcca ataaatgata ttctccaaag taaagtagta atagggtatt aacaagtgat 60
atattaccca attcttcata accaagttac taatgttgga ttaaataaaa tgcttgaaca 120
ttggctagaa agaagacgag aatgatactt ggtaagcaca cgaccaccaa tgctaaatgc 180
agactcatta atgatagttg gtattggaat gcttaacaca tcacatgcca acctacaaag 240
atatggatag cagtcttggc ggtccttcca atagctcana acatc 285

<210> 9148
<211> 370
<212> DNA
<213> Glycine max

<400> 9148

agctttgagc aaatttatac gacaatatct ttctagtcgg atgtcttatt gagtccctgta 60
atatatagag acgctcaaaa ttgaatgacg aagctatgag caaattccaa cgacaataac 120
tttttactcg gacgtctgat tgagtcctcg aatatatcga gacactcgta attgaatatt 180
gaagctctga gccaatcca acgacaataa ctttttactc ggatgtctaa ttgagtcctg 240
taatatatcg agacgctcga aagtgaatgt tgaagctttg agccaattca aacaacaata 300
acgttttact cggatgtctg attgagtcct gttatatatc gagacgctcg agattgatgt 360
tgaagctctg 370

<210> 9149

<211> 293

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9149

tctagtctca attntgaacg tctcgatata ttaccctatt caatcggaca tccaagtaaa 60
aagttattgt cgtttgaatt tcctacgagc ttccgttttc aatttgaggc gtctcgatat 120
attacaggac tcaaccggac atccgtgtat aaagttattg tcaattcaat tttctcagag 180
cttcggatct aaatatggag cgtctcgata tattacggga ctcaatcaga catccaagtt 240
aaaagttatt gtcgtttgaa tatgatacga gcttcnatt ctaatttgga gcc 293

<210> 9150

<211> 403

<212> DNA

<213> Glycine max

<400> 9150

tttgaagga tcaagaagtg ccttatgaat cctcccgctg ttatgccacc agtacctgaa 60
aggcctctca ttttgtacat gacaatcttg gacgagtcaa tgggggtgat ggtggggcaa 120
catgacgaat ccgggaagaa agagcgcgtt gtttactacc taagtaagaa gttcacgacc 180
tgtgaaatga attactcctt gctctaaaga acgtgttggt ctttatgatg ggcatcccat 240
cgccaatgc agtgcagct gagccatact acctggttga tatccaagat ggaccgggtt 300

aagttcatct ctgaaaagcc agctctcacg ggacgaatcg cctgtggca agacctgcta 360
tccgagtttg atatatgttta cgtcatccaa aatgcgatat aat 403

<210> 9151
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9151

agcttcttaa ntcttatgat nngagttac ctcgtgcact cttctaataga ctatagcatc 60
atttctgggtg cttaaattgtt gggagttgga agccatcttc tcaattaaat tcctggcttc 120
agaaggggtc atgtctccaa gggctccacc attggcagca tctatcatac ttctctccat 180
gttactgagt ccttcataaa aatattggag aagaagctgc tcagaaatct agtggtgagg 240
gcaactcgcg cgtaattttt taaatctctc ccagtattca tataggctct ctccactgag 300
ttgcctgatg cctaaaatat cctttctgat ggtcgtggtc ctgcaagcag ggaaattttt 360

<210> 9152
<211> 425
<212> DNA
<213> Glycine max

<400> 9152

cgaagggtgtc gaaatcctac ccctccaaat tgttttttta ttgataattt ctcccaattg 60
aaccaatgga ttccattctc ttgattgttg ttgctttccc accaattatt ttcttttagtt 120
cctcttgaag tgtagaagaa agaagaaaaa caccatgca atatgatgat atagactgtg 180
ctagtgcatt taaaaaatt tctttacctg ctttagagat gaacttcctt gaggaacca 240
aagatagctc ttttccttct ccctatgacc gatggtagcc ccagatattt tcctattcca 300
atgggtgttg tcactcttaa aaaggatgag atgaattgcc tattgttttg agatgtattg 360
gagctgaata gaatttttga ttctagaaa ttaattaatt gtccaaatgt catctcttac 420
atgtc 425

<210> 9153
<211> 272
<212> DNA
<213> Glycine max

<400> 9153

aatctaagct gatcttttagt gtgtatctgt atcttttttc cttttgaact attcagtttg 60
aatgcgaact ttaattatct ttaattcgt tcctaaagat tgatcgccaa atctgttgct 120
aactgcacaa taatctgttc aagatataac agatttatgt gttcagtttt tccggcacga 180
tgtcctggac attgtttccg acatccggga tcctgcataa tctgttaaag atataacaga 240
tgtatgtgtc cagtattgtc gggcaggatg tc 272

<210> 9154

<211> 336

<212> DNA

<213> Glycine max

<400> 9154

agcttgaaga cttgtacatc accaaatctc tggtaaattg tctctacctt atgcaagcat 60
gtattcattt aagatgcaag aaaataaaac ggtagaagaa tagtttagatg tctttaataa 120
atcgattctt gatcttgaaa acattgatgt tactattgag gatgaagatc acgcattagt 180
gttattgtgt gttctaccta agacctttgc tcatttcaaa gaaacacttc tctatggaag 240
agattctctc actcttggtg aagtccaatc agccttgaac tctaaggaat taaatgaaag 300
aaatgaacaa aggccttctg tacatgggga gggact 336

<210> 9155

<211> 341

<212> DNA

<213> Glycine max

<400> 9155

tcatgcaaac ggcttaaaat aaaagtatta ctttcttata tttaaacttt gccaatgat 60
ttttcccact tgtaatgcaa tgggtgcaagg gagttctttc atgatagtca cacatgttta 120
catcagcacc aaattggagc aacaactcaa ccatcagtgc actgccagaa tgacatgcca 180
tatgtaatta tgaccatcca cggaaacacc tatctgtctc agtagtctct tcaactctca 240
gacaggcttc aggatcatgc tgatgccctt tggcatcctc agcatggtga gactcatcat 300
aatactttgc gtttatcaga tttgatgttg atgtgacaat a 341

<210> 9156
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 9156

taacattaca ataaacgcat aaaaaaagaa agcaagtttt aattataata aacataataa 60
 taagtataat attgattaat aagcataatt tgtcagttac tctgaaattt ctattgtgac 120
 aacattaggt agtggcaaaa ttaagttgaa tctcattttt tttaaggatt aacttaatga 180
 ttgtgtattt ttttgtttga gtctcatttt ttggataagc tactgtgaca ttagaaattt 240
 cagagcaata aatagattat gctcattaat caatattatt cttattatta tgtttgttct 300
 aacttaggct tgtttttttt aagtgtttat tgtaatgtta tgcttacaat gattaaaaaa 360
 agggagaaga tgaagattaa attatatttt tggtaaatag tcattttcat ccttgaatgt 420
 atagag 426

<210> 9157
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9157

tagaatattg cagcaatatt atattccatc agttcgtaa ctatcacgct tagntggagt 60
 ctgcaaagcc ccaatcattc aacactttgc tgaacaatt tctggtacta caactattag 120
 aagctttgat cagcagtcaa gatttcagga aacaaatatg aaactgactg atggatattc 180
 tcggccaatg ttcaatattg ctggtgccgt ggaatggttg tgtttccgtt tggatatggt 240
 gtcttctatc acatttgcct tttccttaat attcttaata tctattccac acggattcat 300
 agatcc 306

<210> 9158
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9158

ntcaggtttt ccactacgat tggttcagta ccattgttga acacaaacaa gtgcgcttgg 60

ttcatcactg ctagctcagg atagaccgg gacaaaatgt ttgtcttccc tctgctcca 120
aaactctcca caactgagtg atcaatcttc cattcatttg aaaaaacaaa gaatattaaa 180
taattataca ttagtatttt ggagctcata aatgctatat attgttggtg aaatcctgat 240
ccatttggtg ataaattagt tagctttcat ttttagaaa attagttaat ttgttagtag 300
tctgttgctg aaaaacagaa aatagtgtgt taagttgtaa ttctcagttt catcttttca 360
gccctttcac aatgatgtat taatacaatt gatcattcaa taagataagc tgaatgagt 419

<210> 9159
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9159

tccaaccata tgatcataag anagggaact agcagggcaa ttctcctgtg gatccaaaac 60
catgacttta atggccatct gagaagcagc ttgacatata attcgaccaa gttgccctcc 120
tcccagaacc ccaacaacca cttcagtttag tccatgaaca ggtgactcat cattcctgca 180
cacaccaata ccaaattttg ggcttttcat gagattttca gggtcagaca cttctaata 240
ccagaaattt tacattttatc ttctaagtt gaagaaagct gagaaaagg tcaaaacccc 300
tacaactaga aaacaagcgc caaaaataaa aatgcaaaaa ataaccttag agaaactgca 360
tcatcctgtg ttgttgcttg acaagcaaga tggggttggt cacactg 407

<210> 9160
<211> 424
<212> DNA
<213> Glycine max
<400> 9160

cttggcatct aagatatggc ctttgaata tgctatgtgc tgaaattgct acactccaaa 60
gatacgggtgc aggggctgcc taaaactgga gagcttgagt tgtgtgaagg ttgcatttat 120
gggaagcaat caagaggatc atttccaaca ggcaaagcat ggagagcaag tgagtgcctt 180
gaacttcttc atgcagactt atgtggccca atgaaaatag tctcactcga tggaagtaag 240
tatttcttgc tcatcacaga tgattacagt agaatgagct gggtttatct tcttaaagct 300

tagtctgaag catttgaaag ctttaagatt ttcaaggcta tggttgaaaa acagtctggc 360
 ttgtatgtta tagctttgag aatagacaga ggtggtgaat tcttgtcaaa tgaattcatt 420
 actt 424

<210> 9161
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 9161

gtgagcaaat tttaaagaca ataacttttt actcggatgt ccgattgagt cccgtaatat 60
 atcgagacgc tcgtaattga aaacagaagc tctgagcaaa ttcaaagac aataactttt 120
 gactcagatg tccgattgtg tcccgtagta catcgagacg ctcgtaattg aaaacggaag 180
 ctctaagaaa atccaaccac cattaccttt tacctcgagg gcgggttgag gccctcaaaa 240
 tatttagacc cctcaaattg gaaacc 266

<210> 9162
 <211> 253
 <212> DNA
 <213> Glycine max

<400> 9162

ctcatctgta ttgtcttcgt gcgattactt tttctctctc tatgaatatt atctcgcaaa 60
 ttccaacgat gaagggtgtga ggaatagaat ctcaaaccac atatcaaaat ttcatgaaag 120
 tccaatgggtt aacgaaattg ggatcatagt tttactggga cggttttgga tttttgccga 180
 aaaagaaaat gttatgatgc gaattgtatg tcttcaagct ccgatatcgt ttcataattt 240
 ccctacggtg gga 253

<210> 9163
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9163

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120

gctgggggca agtaaatTTT cttcccatca gaccttgat gcaactgtga tcttataccc 180
 atatcagcta gatcttgacg ggtattcaag ccatacctcg tcttgccctg aattttaagg 240
 agcgtcccaa tcacactgtc acaaaaattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtatggaaga tcaaagaana tggacctctt cttccatatg 360
 caactctgac 370

<210> 9164
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 9164

agcttatcac ccacatcgcc aattgattaa tagcttttaa tgggagtcag gaaaatgaaa 60
 gtgcgccgaa accattaact ggaaaaaag tttatgcttg gatcaaagg atcctaacta 120
 tttttgggta gaacccaaag aaagcatcat ctgagactaa catatagaaa aaaaggtaa 180
 tgttctttga tctttcgtac tgggccgac ttgatgttag acattgtata aacatgatgc 240
 atgcggagaa aaatgtttgt gatagtttaa ttggcaccct tcttacatta aaggcaagac 300
 aaaggat 307

<210> 9165
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 9165

tgcaaacaga tttcgcaagg gtcaccctac cagcatttaa aatagttcta gctttccacg 60
 tacttaaccg ttgatggact tcgtccatga taagttggaa tgttcctcgt gatacctttt 120
 tatgaaaaat aggtacccta aggtattttc caaggcatc agtacactga ttaccatttt 180
 cctcgcttga ttaccatct cctcgctcga ttgattccta tgtgacactc aaacattttt 240
 agagaaatgc atacgagatt tctctaagct aatcttctga ccagaactct tgcaaaataa 300
 atttaaaata ttatgaatca agtggactta ttctagagaa gctcccgcaa acaaaagcaa 360
 gtcacttgca taggtcaagt gcgatcagga acaaaactag actacaacaa tatta 415

<210> 9166
 <211> 323
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9166

agcttcggat tgtaagtatt ggattggata gctcgtgctt ccaagctaca naataaattg 60
 aacccaaata tgatactcct cgttttttat ataaaattca attacttaat ttatcanatt 120
 caaaaaaaaa ttaattgata tcaataaatt tattttacat ttataacttt nttttaaatt 180
 ttccttatca ataatatctt atctcttcta atagtttatt aatatatttt gtttcttatt 240
 ttaatgagag atgttttttag tataaaaaata attaatacaa aaaatattat aaattgagtt 300
 ttataaaaaa aaataaacat caa 323

<210> 9167
 <211> 339
 <212> DNA
 <213> Glycine max

 <400> 9167

agcttctgcg agcaggcatg aacgtgtttc gcttcaactt ctcccatggg tcccacgagt 60
 accaccagga aaccttgaac aacttccggg cggcattgag aacaccggta ttctctgcgc 120
 cgatcatgctc gacaccaagg cacgatacga ccaccagatt cgattttcat attccatatt 180
 ctccccctttt tgttcgattt ggattttattt tattttattta tattctcatc gccgattttg 240
 ttttgattta cttttaaatc ttgtgtttta attgctaattg tttatgattg gattagggtta 300
 tgtataagcc ggtgctatta ttattattat ctaattcta 339

<210> 9168
 <211> 418
 <212> DNA
 <213> Glycine max

 <400> 9168

tggagttgga gcattgatta tgctgttggtg atgttattgg ttcatttgct tgacagatca 60
 aagtgtcttt agttatgac ttcttctggg tatctgttaa gagtctatga agctgtacca 120
 aatttcctag tagcttttag tttgtttaat tcagctgaag gggtgtttat tgttgtactg 180

ttgcttcttg gtacgccttg taccttgata cttttcttat taatgaaaag tattttgctt 240
 tgttaaaaaa aattaacaat gttttaaacg agcatataaa attaaaaata aatgtttatt 300
 taattactca ataagtatgt tgatttgatt ttcttaattt atcattttaa taaaagatat 360
 ttcaactttt ttttaataa attaatctc tttgaatgat attaaataca attaatta 418

<210> 9169
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 9169

agcttcaacc aaggggtgat ggaccattta agtgcttgaa agaatcaatg acaatgctta 60
 caaagttgag ctgcccgttg agtataatgt tagttccacc ttcaatgtct ctgatttatt 120
 tctttttgat gcagatggag aatccgattt gaggacaaat ccttctcaag agggagagaa 180
 tgatgagggc atgaccaaga gcaagggcaa ggatccactt gaaggacttg gaggacctat 240
 tgatgaggac atgacaaaaa gcaagggccca ggatccactt gaaggacttg 290

<210> 9170
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9170

tgtttcanac catagatgga tttatttagt ttgcaatctc atagactttg agtcacttaa 60
 tacaaagttt tctgggttga tcatatgaat tgtttcttca atgtcaccat ttagaaaaac 120
 agtcttaaca tccatctgat gtagctctaa atcacagtga gctaccagtg tcattattgt 180
 tctaaaagaa tcctttgaag atactggaga aaaagggttc tttatagtca atgccttctt 240
 tttgggtaaa tccttttagt actagacgag ctttatatct ctgcacattt ccctttgaat 300
 cccttttgct tttaaatatt tttttgcaac caatagggtt cacactttta ggcaatttga 360
 ggagatccca aacgtcattg tcttgcatag atttcatctc atccttcatt gcattgatcc 420
 agt 423

<210> 9171
 <211> 398

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9171

tntggaagga tcaagaagtg ctttatgaat cctcccttgc ttatgccacc agtacctgaa 60
 aggccctctca ttttgtacat gacaatcttg gacgagtcaa tgggggtgtat ggtggggcaa 120
 catgacgaat cggggaagaa agagcgcgtt gtttactacc taagtaagaa gttcacgacc 180
 tgtgaaatga attactcctt gctcgaaaga acgtgttgtg ctttagtatg ggcaccccat 240
 cgcctaatagc agtacatgct gagccatact acctggttga tatccaagat ggacccggtt 300
 aagtacatct ttgaaaagcc agctctcacg ggacgaatcg ccccggtggca attcctgcta 360
 tctgagtttg atatagtcta cgttacccta aatgcgat 398

<210> 9172
 <211> 240
 <212> DNA
 <213> Glycine max

<400> 9172
 agcttcagca aagggatcac aggtcattac gggtaaattg gcgaagcggg tttatggacc 60
 ttttcaaatt gaggaacgca ttgggtctgt tgcttatcgt ctcagggttac cggcagaagc 120
 tcgcatacac cctgttttcc actgttcatt ataaaaacca ttcaaagggt cactggaatc 180
 ccgtccacaa gtttactggc cgaacacaat tatccagcat caacccttga tcatgccttt 240

<210> 9173
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9173
 nttcactcgg agatctgatt caggcgcata atatattttg acgcttgaaa atgaacaacg 60
 gaagctctcg agaaattcca atgctcatta cttttaactc ggaggctctga tttaggcgcc 120
 taatatatca agacgctcga aattgagcaa cggatgctct ctagaaattt aaatgggtcat 180
 aacttttcac tcagagggtt gattcatgtg catgatatat cgagacgctc gaaatttaac 240
 aatggaagct cttgagaaat tcaaattggc ataaccttaa actcggagggt gtcatttagg 300

cgcggtattat atcgagactc tcgaattata tcaatggaag ctctt

345

<210> 9174
<211> 342
<212> DNA
<213> Glycine max

<400> 9174

ctttgttcaa ggactaaaaa cttagttaat cttttctttt ctcttagtc tgatcctggt 60
ttggttgctg gtgcacttgc tactgtcatg ggttcatgct tatgttttat atcctttttc 120
taggaaatgg accatctgaa gatggcagtg gcaaagatag cttcacacca accaaacatc 180
ttgttgggtg agaaatcatt ctacgatat gcacaggaat atcttcttgc aaaggacata 240
tctctggttc tcaatgtcaa gagaccatct ttggagcgtg tagcacgttg cacaggcact 300
catatagttc cttcaataga tcattcttct tcacaaaagt tg 342

<210> 9175
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9175

agcttgctcg tcttgctgat atttatcatg cagactnttc tgatgatgac cgaggaacaa 60
ttagggatca acttgaaact tatgtgcttt aaggaagaa gaaatgcttc tttttccact 120
tgtgaaaatg ttcaaagttt ggctatgaag atgggttcaa ctgagaaaca ttnggtat 180
ccattggttt ataaacttat tgagctagct ttgatattgc cgggtgctgac agcatccgtt 240
gaaagagctt tttcagcaat gaagattatc aagtctaaat tgcgcaataa gatcaacgat 300
gt 302

<210> 9176
<211> 306
<212> DNA
<213> Glycine max

<400> 9176

agcttgctat cccctctctt ataaggattt atatttcctc atccgattct gatgatgatg 60

tcgaactaca tgtctcgaca tctaagaggg ccaagaaatc tggaagaaag tgcctggaaa 120
 tgttcctgat gcaccattgg acaacatctc tttccactcc attggcaatg ttgaaaagtg 180
 gaaatatgtg tatcaacgca tacttgcggt tgaagagaa ctgtgaagag atgccttgga 240
 ttgcaaggag atcatggacc tcatcaaggc tgctggactg ctgaagactg tcagcaagtt 300
 gggaga 306

<210> 9177
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 9177

agcttggat attttgcctc gcaaatatta tggtgagact agcacttggc tagaaggaat 60
 ttacaaaatg aaagaaaaat gggctagttg ctatatgaaa gatgcttata gtataagaat 120
 gcaaagtact caacttagtg aaagtttcaa tgctagtgtg aaagattatg ttagatcaag 180
 cttggatata atgcaaattt tcaaacattt tgagcgagct gtggatggca agcaatacaa 240
 tgaattagag gctgaatata atagcaggaa aaaacttcat cggctaagga tagaacactc 300
 accattatta aagcagggtta ggcaactcta cactccaaaa atattaaatt tgttcc 356

<210> 9178
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 9178

tccgttatcc aatttctagc gtctcgatat attattttac cgaatcagac atccgagtga 60
 aatgttatga ccattcgaat tcgtcgagag cttcttttgt tcaatttcga gcgtctagat 120
 gagttatgtc accgaatcgg acatctgtat gaagagttat gaccattcca atttctcgac 180
 agcttccggt gttcaatttc aagcgtctcg atatattatg tccccgaatc tgacttcctt 240
 gtgaaaagat tggaccattc aaatttctcg acagcttccg ttgttcaatt tctagcgtct 300
 cgatatagtt atgtccccga atcggacatt tgtg 334

<210> 9179
 <211> 340
 <212> DNA

<213> Glycine max

<400> 9179

agcttcatgc agataagatt ttattgcttt tagccacaaa ttttattata aatagcaaca 60
gttctctgat gcaatataca tgattattta acttgggtcta atgataaatt gtattaatta 120
tgtctctaaa gtatgaaaat aaagctcatt cagtagccaa tccacagctc cacacaagtt 180
catgacaacc ctttcaaage ttcaacttga tagcagtttg aacatcctta tcacctcggc 240
cactgaagtt aaccacaacc ttggcttcct taggaagggg tggacacact ttctctagat 300
atgccaatgc atgaaatggt tccagagctg gaattatgcc 340

<210> 9180

<211> 495

<212> DNA

<213> Glycine max

<400> 9180

agcttgcttc tacagccata gccaaagatgc atcaatgtag caaactttaa gacattttgc 60
aacatcattt tggatattca acaagaacat cctattttctt ggcattggta ccttgggtgat 120
tagattgttt ctcccatctc cgatggaaat actggaatct ttcaagtga tatcatagac 180
ttttttgagt aattttccga aactcaaaat atagtcttc atatttagga cgtagtatac 240
atttgatatg aatttatgtc ttccatcctt caaacgaatc aagatcttac cttttccttt 300
tacaggaatc ttggaattat caccaaata gacattgaca cttattgatt catcaagatc 360
tatgaacatg cttttttttt cttcacatat gggtgcttgc accagtgtca aggtaccatg 420
tgttttcttg gctaccttca ttacctccac gtgctaggag cactgtttca aactttcat 480
ctttttgctc cacat 495

<210> 9181

<211> 674

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9181

cttgctaccg cctgaacaat tagacactga ctcacatagc ataatctgat aacacatcag 60
acacatcttt taatatttgt atttatttac atctaataa aattattagg agtcttgatt 120

tgttttaaga catagatgta tttttgattt aacaccattt ctatacctct aaaacttcta 180
 cacattgatt tgtttgatcc aactagaaca acctttgtta gtgttaaaag atatggactt 240
 cttgttgatg atgattacac tagatggaca tgagttatgt tcttaactca caatgatgag 300
 tcactaaaga tcttctataa cttttgtaaa catgttcaaa atgaaaaaag gagtatgtat 360
 tacttcaatg gaaagtgacc atgaatgaga gtttgaaaat aaaatttttc ataggtgttg 420
 taatgagaat ggaattttcc ccaacttgtc tacaccatga aactacaac aagatgatgt 480
 agttgagaaa aagaacatgt cattgaaaga aatgactaga accatattaa atgattacta 540
 atctcttcaa cactnttggg atgaggcagn gaatattgct tggttatattt gcatccaata 600
 ggaacttcat ccaaaggact tattgtccaa tggaaattat gtccatttgc attgcatttt 660
 tgtgctttca tatg 674

<210> 9182
 <211> 603
 <212> DNA
 <213> Glycine max

<400> 9182

agcttgctaa cccatggaag ttcctaatat cttccacact ttttggggtg ggccattctt 60
 ggatggcctt gattttctca ggggtccactt ggacctcatt tctaccaact acaaacccta 120
 agaaaactat attatctaca ctaaaagtac acttctctat atttgcatag aggggtgtttt 180
 tcctaagaac tgaaagaact tgcctgttgt ttagccttcc atagtcatca caaatagaag 240
 aacaaaaaaa attgcacaag agagagaaga acagagttga agagatgaat acatacaaag 300
 aacaagtaag agaaaaagag agagaagagt ttgatctaaa acttgacta gaagtttcta 360
 aaaatgggtt ttttttacia aaatgacttt aactaactaa ctaactaact aactctgaaa 420
 atatactaag tagaaaaata tatactctaa ctaagaagaa gtaatgggtg ggccctaatt 480
 aagcccactt aatctctcca ataagctaata tacagaatgc aacgtcccaa aattcgcagc 540
 ccaaaatcca agtgcagagg ctctaacttt caagctcaaa atgaccctca aaacagcata 600
 att 603

<210> 9183
 <211> 641

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9183

ncaacaacag gtgctcgggtg acgttctaata agtctcatat aagagttttt tctgattgct 60
 tttctaagaa caccacaat agactatcct ttatctgaag ttatcctttt gattgatcat 120
 tcttaccaca aaaacaaaca tacaccccaa tgcataagaa cccccacgta atagtacaaa 180
 aagtaaacga acacaacctt acctccgcaa gatgaataat gcatatgtat cttgattagt 240
 atcaatttat aatagctttg tgtgtgtgtt gatatatatt aactattata aaatcaatat 300
 atttatctta aaattattac attattaatg cataacctat ttttttatat taaataatag 360
 aatagatact ttttttatag gaatagaata tatatactaa taagttatta gtatgagaat 420
 accatacaca atctctttaa gcaaagtctg tgaataaaaa aacataatta aataaaaatt 480
 ccattacaaa tgatcaacca agttctctct gataaaaact aatcaacagt gagtactccc 540
 tacaaataat atgactatca aaaaaataa aataacaacc gactgtacta tgtttcaaga 600
 ctaaattcgt taactactct gttatggaat tttataattc a 641

<210> 9184
 <211> 480
 <212> DNA
 <213> Glycine max
 <400> 9184

agcttggagt ggtgaaccac ctgattatth ttgttttata gtgtttggat cactggcctt 60
 tgctcatggt aaacaaggaa agttggatgc aagggtctga aagtgtgtgc tcattggcta 120
 tcctgaagga gttaaagggt acaagctatg gaaattggaa cctggtgaga caagatgcat 180
 catcagcagg gatgtaacct ttgatgagag cagaatggca ttgctaatta aggagcagaa 240
 agataacaac ttaagtagtg agaataccaa ttttgagggt gagcattctg agaagctgga 300
 gataatgaag agctgggttac taagcatgac ttgcccaatt atcaattggc tagagataga 360
 gaaaaaaggg tgataaagcc ttcaaagaag tatggatcatg ttgatattat atgctatgcc 420
 ctgagtgttg atgaagagat tcaaaattca caaacatag acctggaggg aagtaattga 480

<210> 9185

<211> 499
 <212> DNA
 <213> Glycine max

<400> 9185

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agcttggtaca ggcgtaggca atcaattcat gatatttcga ataagatttg aggggtggagg 60
atagacaaac agtgcttggc aatcaattcg tggggctacg gataagattt taggggtggag 120
gaagcatgaa tagcgctagg tgtcataccc taatttcgtc cggggacctt tgcttgatga 180
catgcgacct ttgtttggtc cctgtaaggt gcttggcacc catcattagg caatttgtga 240
aattccagga catgccgaaa aacaaaagaa aatattgatg cacaatccgt aagggtccgt 300
gacacaccga aaatcaaag gaagcatcgt tgcataatta gtgaggttcc gtaacattcc 360
gtaagtcaaa aaggggatga ttatgtaatc cgcaaggttc tgtaacatta cggaagaaaa 420
acaagtatcc gtacccaaat tcgaagtttc cgtaacttta cgaaaaaaaa gagtcacaaa 480
aaaaaaagca gaggggggtg 499
```

<210> 9186
 <211> 496
 <212> DNA
 <213> Glycine max

<400> 9186

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agcttgctat cccctccaag aaaaggaaa aattttcctc atccgattct gatgatgatg 60
tcgaactaga tgtctcgaca tctaagaggg ccaagaaatc tggaagaaa gtgcctggaa 120
atgttctctga tgcaccattg gacaacatct ctttccactc cattggcaat gttgaaaagt 180
ggaaaatatgt gtatcaacgc agacttgccg ttgaaagaga actgggaaga gatgccttgg 240
attgcaagga gatcatggac ctcatcaagg ctgctggact gctgaagact gtcagcaagt 300
tgggagattg ctatgaaggc ttagtcaggg aattcattgt caacattcct tctgacataa 360
ctaacagaaa aagtgatgat tatcaaagag tgtttgcag aggaaaatgt gttagattct 420
cccctgctgt gatcaacaaa tatctgggca gacctactga tggagtgata gatattgatg 480
tttttgagca tcaaat 496
```

<210> 9187
 <211> 640
 <212> DNA

<213> Glycine max

<400> 9187

gcaagcttat tgataattag ccatacaaat atgaatctca atagcacaga agcacttctt 60
gtgctttttg catttgtctt cttggcatgg ggcaatgcac aaaataccct tgtgccagca 120
ataataacat ttggtgactc ggctgtggat gttgggaaca atgattatct gectaccctt 180
ttcaaggcta actaccctcc ttatggaagg gactttatca accatcaacc cactgggagg 240
ttctgcaatg ggaaactagc tactgatatt actggtgagg aaatatcatc aaaattgcaa 300
cttacttagc atggatagaa atagtgcaca tatattatct tcattcttgt tgaaataatg 360
tttccttttg cagctgaaac actgggtttt aagagttatg cacctgcgta ccttaaccct 420
caggcatcat ggaataatct ttttattgca gcaaactatg cttcagctgc ctctggttat 480
gatgaaaagg ctgctattct gaatgtaaag ttggaataaa cagtgcacac acatgcaaac 540
tcattcttga gaactaatca ttattttaac tgtgtttttt tgcagcatgc gattccattg 600
gtccacagt taaaatatta caaggaatac tgaggcaagc 640

<210> 9188

<211> 492

<212> DNA

<213> Glycine max

<400> 9188

gcaagcttat cctgtggccg ccaaagcctt ctgtttttct gttatagcct attataatcg 60
agtagatggg ccttgttcta tggtaatcga ttacaggag tagtaatcga ttaccagatc 120
ctaaaatatg gtatttcaag tgaaataatc acgaaaatca attatttgtc acccgcaaaa 180
ctacacattt attataaata atcaaaatag acaatcgtga acaatcatca taaacaatca 240
aaatagacaa tcatcataaa taatcatgaa caataattag caaacacaag cacttcactc 300
aacaaaaaat taatcaatca tgaaagataa ctatcaaaca caatcatttt tcttaataca 360
aggaaacaat catcataaac aagcataatt aacagccatt aaagccaatt tattataaac 420
aatcaaaatt gttacgaatc taagtatttt atgtctatga gtcctagtgc tcttctaata 480
tcaaagaaat tt 492

<210> 9189

<211> 529
 <212> DNA
 <213> Glycine max

<400> 9189

tgaacccatc tttgtatagg tgaaccctct taactctatt ttccaaaatt ctagttcaat 60
 tgcatttaac acaaggacat atgatcccc atcatttgtgt gataacaatt ttgttgacta 120
 gctttgcaaa caaattcttc aaccccctta acaaaagact ctttcaaaca acttctacca 180
 ctataacatc tatcgtacat ccaacaatga ttcaaaagaa tatagctcat attttgtata 240
 ttttaagaaga aaaaatatga acattcatga atcacatata taatcttaaa gtgatctcta 300
 ttattagtcg caacaattat gatcatgttt taggtgaaaa aaatcacata catatggttt 360
 ttgtctttct aaatgaacaa agcatggaat gtaaataata taaccacaat cacaaatata 420
 cttaacacat ttagaataca aaatttcgaa caactaaaat aaaaaaacca caactaactt 480
 gaacaatgga atgtacaacg atcacgtaat acaatctcac ctataaact 529

<210> 9190
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9190

gcaagcttng acagcgctag gcaatgaatg catgagactc cttttaagat tcgagggcgg 60
 aggatagaca aacagtgcct ggcaatcaat tcgtggggct acggataaga ttttaggggtg 120
 gaggaagcat gaatagcgt aggtgtcata ccctaatttc gtccggggac ctttgcttga 180
 tgacatgcga cctttgtttg gtccctgtaa ggtgcttggc acccatcatt aagcaatttg 240
 tgaaattcca ggacatgccg aaaaacaaaa aaaaatattg atgcacaatc cgtaagggtc 300
 cgtgacacac cgaaaatcaa atggaagcat cgttgcataa ttagtgaggt tccgtaacat 360
 tccgtaagtc acaaagggga tg 382

<210> 9191
 <211> 564
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9191

agcttcacta ctagaaaatg aacttttaac attttctatt ttttactttc aacatcggtt 60
tttaaccgat gttgaaacca cgcacgttaa tattatcaac gttaacatcg gttttcaaaa 120
aaccgatggt aacttgcact acacgacatc gggtattttac aaaaactaat gtcataataat 180
aagaaatata aaaaaaaaaag caaaaactaa aaaaacaaca tcgttttttg ttaaaaccga 240
tgttgaatta tgtattttta agtgttttct acattgggtt ttttagaacc gatgcagaaa 300
gtgtctttac aacatcgatt ttaggcaaaa accgatgtaa aaagtgtctt taagacacac 360
tttttatatc gggtatggcc taaaaccaat gttgctttta aggaactttc tacatcggnt 420
ttagaacaac cgatgttggt ttttgcaata aaaaatgat attttatttg tttttacaat 480
gaaccaacca aaacctttca tgattttctc caaagagaat tctttattca ttagttaagc 540
atagaaaaag atagaattgt gagt 564

<210> 9192

<211> 590

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9192

ttgagccaac tcaaacgata ataacttttt actcggatgt ttgattgagt cccgtaacat 60
atcgagacgc tcgaaattga atggtgaacc tctgagccaa ttcaaacgac aatatacttt 120
ttcacggatg tctgattgag tcccgtaca tattgagacg ctcgaaattg aatgttgaac 180
ctctgagcaa attcaaata caataacttt ttactcggat gtctgattga gtcccgtaac 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aatacaaacg accataactt 300
tttactcgga tgtctgattg agtcccgtaa catatcgaga cgcttgaaat tgaaagttga 360
agctctgagc caattcaaac gaccataact ttttactcgg atgtctgatt gagtcccgt 420
acatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatacaaa cgaccataac 480
ttntttctcg gatgtctgat tgagtccctt aacatatcga gacgctcgaa aatgaatggt 540
gaagctctga gccaaactcaa acgacaataa ctttttactc ggatgtctga 590

<210> 9193

<211> 528

<212> DNA
<213> Glycine max

<400> 9193

agcttcaaca ttcaatttcg accgtcttta tatgttaagg gactcaatca gacatccgag 60
aaaaaagtta ttgtcgtttg agttggctca aagcttcaac attcaatttc gaccgtctcg 120
atatgttaag ggactcaatc agacatccga gtaaaaagtt atggtccttt gtattggctc 180
agagcttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat cagatattcg 240
agaaaaaagt tatcgtcgtt tgagttggct cagagcttca acattcaatt tcgagcgtct 300
cgatatgtta cgggactcaa tcagacatcc gagtaaaaag ttatggtcct ttgtattggc 360
tcagagcttc aacattcaat ttcgagcgtc tcgatatgtt acgggactca atcagacatc 420
cgagaagaaa gatatcggcg tttagattgg ctgagagatt caacattcaa tttcgagcgt 480
ctcgatatat tacgggactc aatcagacat ccgagtcaaa agttattg 528

<210> 9194
<211> 560
<212> DNA
<213> Glycine max

<400> 9194

agcttcttat tttcagtaga tgaagatgat tctgtggcca catcaaggac tcctctaagg 60
acaatagcat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaga 120
ttcctagcct caacaagagt catatcacta agagctccac cactggcagc atcaatcata 180
ctcctctcca tgttgctaag tccctcatag aaatattgcy gaaggagttg ctccgaaatc 240
tggtagttag gacagctttc acacaatttc ttgaatcttt ccagtgactc atacaagatc 300
tctocactaa gtttcttgat gcttgaaatg tcttttctga tggcagtggt cctagatgca 360
gggaagaatt tatccaagaa caccttctta aggtcatccc agctggtaat ggacttgtga 420
gcaaggtagt acagccaatc cttcgccact ccctctagag aatgaggaaa agcctttaga 480
aagatatgat cttcttggac atcaaaggat ttcatggtyg aacagacaat atggaactcc 540
ttaagatgct tatgaggatc 560

<210> 9195
<211> 629

<212> DNA
 <213> Glycine max
 <400> 9195

ttacatggag ctatatcatg tggatcaag agcattttca tctaggtgat gttcttttga 60
 ttctctatc tttttgtttg gtcaattcac ttttaattcct tgttcttcat cttcttctcc 120
 atgtatctcc tcaattttct tgtagtttgg tgttgtttag tgtagatcaa aaaaaataaa 180
 ccgattaaat cttagatcta cacttgctct tgcatttcta tggttcaaat tttatagata 240
 aactcttgaa tcatgttttt gtgttgattt taggttctat catttttttag tcataatatt 300
 cttgttttga accttttagat ctcaattttc ttgcaaaata ttgattagaa aagaaaacaa 360
 aaaaatccaa gtgtaaatca cttcattcat gttgtcttag agtcatgttt agtcataata 420
 attgtcacat tatgttctaa gtttgaattc aattttgatt ttgttgattg aattataaat 480
 acatttgttc atgtattctt gcaattctta ccctatcatt taaatttgag tctaattcat 540
 gcatggtatt tagttcataa catgttctaa atcaattcct agaagtagtc ttgttggtga 600
 actttttttt ggtttctaaa gttcctata 629

<210> 9196
 <211> 605
 <212> DNA
 <213> Glycine max
 <400> 9196

tgccccaccc gttatcactg agcattctac atttgactaa tcttatagta ccaagattct 60
 ctagaaaatcc aatgcgattt ggcaattccc tgatatttcc attgaccatg ttcagtgtag 120
 taagaaatgc taggtctcca gtagattcta gtaaattatc aagatttatg caattcatta 180
 tctcaatttt cctcaataat ttcggctctc caatctcatt tggcaaattt gtgatggttg 240
 ttccatctaa ctgaattcaa tgttttaatt gaattttcca atttgctgat ccaactgata 300
 actccctcag gtaatatataa gaaccaatga tagaaggag ttttttaatt gtggtgctat 360
 ttaaaaaaag ttgtgcccac gatatgagat tgcttataga atcaagaatt acaatgagag 420
 attcacacca catcaaattg agtctcttaa aggggtattca atgatcccat taagacagtt 480
 aattcttgca atgaacatag atgtcctgta gaactaggta ccctctcac atattggcaa 540
 ctttctaaaa caagagctt caagttttgt gatgcgaaaa aaatgactgt gggcactcta 600

ctgct

605

<210> 9197
<211> 628
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9197

caatagaccc cctcaacctc tttttcttaa tcaaccatcg cagagcaatt atgacctttc 60
cagcaataga tacaacctcg gatgggtggaa tcaccctaac ctcagatggg ccagccctca 120
gcaacaacaa cagcagcctg ctcttctctt ccgaaatgct gctggcccaa gcagaccata 180
cattcctcca ccaatccaac aacagcaaca accccagaaa caaccaacag ttgaggcccc 240
tccacaacct tccctcaaag aacttgtgag gcaaatgact atgcagaaca tgcaatttca 300
gcaagagacc agagcctcca ttcagagctt aaccaatcag atgggacaat tagctaccca 360
attgaatcaa caacagtccc agaattctga caagctgect tctcaagctg tccaaaatcc 420
caaaaatgtc agtgccattt cattgaggtc gggaaagcag tgtcaaggac ctcaaccctg 480
agcaccttcc tcattctgaa atgaacctgc caaacttcac tctattccag aanaaggatga 540
tgacaaaaat ctacctaacg atttctgtgc aggtgaatct tcttccacag ggtaattctg 600
atttgcagaa gcagcacatt ccccccctc 628

<210> 9198
<211> 540
<212> DNA
<213> Glycine max

<400> 9198

tgccagcttt gccagttagc accccaattc ttttttatgg attccaatc attcattcgg 60
gaccctttta cccaaactcg ggaaatctct ccagctccac ctatgttgct tataagcacc 120
aattcgaaat acactctccc attgatggta aatctgatgc ctccacttct tttgcaccca 180
actctgcata atataaatgt tactagctag cctaattggt tttaaaccac atgtatcctt 240
tacgagaaac aaaaaaaaaa gtttatgaca tatggcaatt gacataacat aaagatactt 300
acttgctgta caaaattggg acaatgccag ctttgtactt ggctattgtc tgaaaggcag 360

gttgagacat gtcaaagtgt ggtctaggag gattacacca gccaccattg tcattatgga 420
 gcgcgaagtt tggtaggcac acaattgtgg catgtacaac aatggaagtg cccctgatgc 480
 accattgtag cacttgctt gcgtcacaaa ctatcctata gcaaccacca catgaatttc 540

<210> 9199
 <211> 298
 <212> DNA
 <213> Glycine max
 <400> 9199

acatactgaa tcgataccat agttattttc aaaaatattc ctaacagtcc catctttttg 60
 tgtggctctt gaatggctat caaaaggcct atatatatgt gacttgagac acccaatttt 120
 acaagagttt ttcagaacaa aaaagcctta tgctcttaca aagaaaaata attttatccc 180
 tcttacaat tccttggcca aaactcttgt gattcataag gaatcatttg agtgcctaaa 240
 ttggttaatc tatcttttta tagagagatt tcttcttctc ttcttcttca ttctgaaa 298

<210> 9200
 <211> 604
 <212> DNA
 <213> Glycine max
 <400> 9200

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccaac gaagacactg acaaaaaactt atcttctcct ttttggacaa agtatggcaa 120
 gctgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga ttgaatcccc 180
 atatcagcta gatcttgacg ggtattcaag ccatecttcg tcttgccttg aatgttaagg 240
 agcgtcccaa tgacactatc ccatacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagatca gtacggaaga tcaaagaaaa tgaacctctt cttccatatg 360
 caattggtag ttttatcctt cttttgggtc ttccaaatac agtattgagg tgttgaaccc 420
 gctcatatac ctgttcacca gtcaatggta ttggcgcaac attgtgctct tgactttcat 480
 taaaagctct tttcagtcgt ctggaaggat gattgggggtg tataaaacga ccatgcctaa 540
 tatacactat ttttcttcca tgttttagtt ggatgtagct tgtgttttct tcacagatgg 600
 ggca 604

<210> 9201
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 9201

cgaaattgaa caacggaagc tcttgagaaa ttcaaattgt cataactttt aactcggagt 60
 tcaattcatg cgcattcacat atagagacgc ttaaaaatga acaacggaag ctctccagaa 120
 gttaaaatgg tcataagttt tcacactgat gtccgattca ggcttatatt atactcgagac 180
 gctcaaaatt gaacaacgaa agctcttgag aaattcaaat ggtcataact ttttactctg 240
 agggccgatt caggcttata atatatcaag tcgctcgaaa ttaaacatcg gaagctctcg 300
 agaaattcaa atggtcataa cttttcacac ggatgtccga ttcgggcgca tattatgtcg 360
 agaggctcga aactcaacaa ccgaagctat cgagaaattc aaatggatcat aacttttcac 420
 accgatgtcc gattcaggcg cataatatgt cgagatgct 459

<210> 9202
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9202

gctttcagca aattcaaacg acaataactt ttttcctctg atgtttgatt gagaccgta 60
 atatatcgag acgatcgaaa ttgaattctg aagctctgaa ctaattcaaa cgaaaattat 120
 gatttgctcg gatggctgat tgagtccttg tatacatcga gacgctcgaa attgaatggt 180
 gaagctctca gctaattcaa acgacaataa ctttttactc ggatgtctga atgagtcctc 240
 gtatacatcg agacgctcaa aattgaatgt tgaagctctc agcagattca aacgaccata 300
 acttttttcc tcggatgtct gattgagacc cgtaatatat cgagacgatc gaaattgaat 360
 cctgaagctt tgagctaatt caaacgacaa tactgatttg ctcgatgtc tgattgagcc 420
 cc 422

<210> 9203
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 9203

ttataccttg atgggggtggg gcattatttt gttcttggtc atagaaacat caaacgtatc 60
aattgctacc tgcagttcat tagtgctgc aacaaccctc atggtgtaaa agtaggcgcc 120
aaaaacaaat gctatcaaac cctgaacgac taccaaattc tttggcttaa gaggaaggct 180
tctatacacc ataattctag ccgtcttgat caatagggga agaagggcta gcacattctt 240
taacatttac agttaccctc tgtggaggca agggctttta gcacaatata taatgagatc 300
ccttt 305

<210> 9204

<211> 575

<212> DNA

<213> Glycine max

<400> 9204

agctttagac ctttgatggc atgttggcat cacctttatt cttgttcttg tcaacttcaa 60
acttatcaat tgctacctgc agttcattag tgctccaac aaccctcatg gtgtaaaagt 120
aggcaccaaa gacaaaagct atcaaacccc caacaactac caaattcttt gccttaggtg 180
gaaggctcct atatcccaa attctagcca tcttgatcaa taggggaaga agggtagca 240
caatttcaca caattacaat taccctttgt tgatgcaagt gcaaaaagca caaaagataa 300
aaagataaat aattctaaat tgtgataatg aggagagtga aagaaagtaa aaggtagaca 360
ttccacaaa cagaataagg gcaaggcagc cccaacacaa ttgaaagagg agtaaaatga 420
aacgtagaga ggtgggtcaa ttatttcac aaacaaaaac agttttgatg ggtattactc 480
atattgctac aaagaaaacc tttcaattaa gtttctatga tgaaccagac agcattcaca 540
aaatcaaaat ttttagaaat gatgacttaa tatga 575

<210> 9205

<211> 521

<212> DNA

<213> Glycine max

<400> 9205

agcttgagga taaagacttc ccaagctatt tatcttctct ctcaaagagg ctctctactt 60
ggatgggttag gaatgaaggc tcctaccctt atttatacta ctccatctcc acaatgaatg 120

gtggagatta ctgtatcct aggatgaaga ttaattctct agaatgctcc acacattcta 180
ggagtctcta cactctttta ttccctttca tactcttcca taaggttcca gccacacat 240
ctccagaata ttccagaggt ttccacatcc ttccataagc ttctagagag ttctacacta 300
ctctagagtt ctccaggatg ttctagaaaa ttctacactt ttctagagag ctctacaatt 360
ttctagaacc tctccgattt gttatttaat ttgatattta tttattttatt tgagatgttt 420
ctttgctatc ttaagtattg ttttcaattg aacttattta acaaatacat aatttttaatt 480
caattacgtc tatatgatac ttttttatat tttattttacc a 521

<210> 9206
<211> 486
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9206

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ctctctcaaa ctcgagtcag tgtatgagag ggaattgatg gcggtggtgt tagcagtga 180
aaaatggagg cactatctgt tgggtaagaa atttataatt agaactgatc aaaggagt 240
gaagttctta aatgagcaga ggcttatgag tgaggaacag ttcaagtggg ctactaaatt 300
gattgggtat gattttgata ttcagtatag gccaggaaag gagaataaag tggctgatgc 360
actatccacg cagttntcat tttcagcaat ttcaatgggt caagaggagg aatacgctga 420
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taaaac 486

<210> 9207
<211> 571
<212> DNA
<213> Glycine max
<400> 9207

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gaatgtatgt atacatgatt ttgatgatgt caaaagagga atcaaacaaa gttgcttcaa 120
aagataagca tggcttcaag attaatacaa gattgcttca acaaacaaag ccttgcttca 180

agattaactc aagatcaagc cttgccttaa agcaaagtgc tttcaagaca ttcaaggctt 240
 tggtaatcga ttaccggaag ataggggtga gaaatagttg ttgaaaagag ttttgaattt 300
 gaattttcaa catgtaatcg attaccatat gtctgtaatc gattaccagc aacgaaactc 360
 ttgaaattca aattcaaaag tcatgaccct tcaaattata actgtgtaat cgattacaca 420
 aacattgtaa tcgattacca gtgaagagtt tttagaaaat atgccaacag tcaaactctt 480
 tctttggatt tgtgaatggc catcaaaggc tataaatagg tgacttggga ccaattttat 540
 gagagagttt tgattgatca aaatgtctta t 571

<210> 9208
 <211> 567
 <212> DNA
 <213> Glycine max

<400> 9208
 agcttaatct tcaaataaag cactattaat ttttattatt aatgatgaaa agaaatataa 60
 tactagctat cattcttact tcttatctag catgcatgct catgttggcc accaccctca 120
 gcttcccatg catgggactg gcatccaatt tcaaggaaat tatcttattg gatcttttta 180
 tgtggttccc actggaagat acaatctagc cttattttca tccacttgaa ttaaaaaaaaa 240
 gaagaagatc ggtgtattaa ttaaatcaat aaaaagattg gtatccact ttttttagct 300
 ttattttaca ttaactttga tatttagtag gtgaggtaga aaagattaaa ggaaaaatga 360
 gtttttgatg gttttaattg gtgagagaaa attaccaatg aaacagattt tgtttatttt 420
 tagaaaaaat agaaaagctc acttatcttt gttaaactcat gattctcaga ataaacataa 480
 taaaattatg tataattaaa cattatttat atcaatgagg tcccctcact ggttttggtc 540
 aaaccaatta gtatcctatg ctttttaa 567

<210> 9209
 <211> 474
 <212> DNA
 <213> Glycine max

<400> 9209
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 gtacttaacc gttgatggac ttcgtccatg ataagttgga atgttcctcg tgataccttt 120

ttatgaaaaa taggtaccct aaggtatddd ccaaggatcat cagtacactg attaccatt 180
 tctctgcttg attaccatc tctctgctcg attgattcct atgtgacact caaacatttt 240
 tagagaaatg catacgagat ttctctaagc taatcttctg accagaactc ttgcaaaata 300
 aatttaaaat attatgaatc aagtggactt attctagaga agcttccgca tacaaaagca 360
 agtcactcgc aaaggatcaag tgcgatcagg aacaaaacta gactacaaca atattatctc 420
 cactttgttg atcaggaaca aaactatgtt gacaaggctt aatccaatga gtca 474

<210> 9210
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9210

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 ccttttttgg agccacatga atgctattgc ttaaagctgt tcatgtgtcc ttcattttcg 180
 cgtttggagc tgtgttccat gattgcctaa acgaggaccc tcaaggcaat cctctattgt 240
 cacccttttc cggagccaca tgaatgtaat tgcttaaggc tgctcatgtg tcctacattt 300
 tcaagggtggg agctgtgtac catgattgcc taagagaaga cc 342

<210> 9211
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9211

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 ctaacctcaa caggggtcat atcaccaagg gcttcaccac taatgaaggc cgcttgacac 120
 caatttcttg aatcttttcc cgtacctata caaactttct tcaactaagt gctgatgcc 180
 tgaaatgtct tttctgatgg cagtggacct agatgcacgg aagaatttct ccaagaacac 240
 cctcttaagg tcatcccagc taaaaatgga cctgngagca aggtagtata gccaatcttt 300
 tgccactccc tccagagaat gaggaaaagc cttttaaaag acatgatcct ctttgacgtc 360

aggaggcttc atggggggac aaacaatatg gaact

395

<210> 9212

<211> 499

<212> DNA

<213> Glycine max

<400> 9212

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ggaagaacag acaagggcct tcagatcaag aggaaggaaa atcccaagag agaggatgat 120

gcaatcctac cccgcaaggg cattgaatag aagactccaa gtagattgga ccagagatgt 180

aagagaaggc cctaggattc tcatgagcct tagggtagat tttgggcca tgggctaagt 240

ataagccac ttatctttgt acatattaga ttaagggttc attatcttgg accttttatt 300

tagggttcca taatgtaggt agagtaccct agaaatgtag gatttttcag cccttgatt 360

ttacggtacc tagactaatt tttgtattag gggtagtttt ataatttcac atgcattaag 420

tgaatatttg atgtgtgtgt tggaaaataa attgaattga attgggagaa gcctaattca 480

attaaagttt agaggggga 499

<210> 9213

<211> 467

<212> DNA

<213> Glycine max

<400> 9213

caattacgag cgtctcgata tcctacggga cacttttctg acatctgagt caaaagttat 60

tgttgtttga atttgctcag agcttcagtt ttcaattacg agcgtctcca tatattacgg 120

gactcaatcg aacatccgag ttaaaaagtt ttgtagtttg acttttctta gagcttccgt 180

tttcaatttc aagcgtctcg atatattaca gggctcaata ggacatccga gttaaaaagtt 240

attgtcgttt gacttttctt agagcttccg ttttcaattt caagcgtctc gatataattac 300

agggcgcaat cggacatcca agttaaaagt tattgtcggt tgacttttct tagagctttc 360

gttttcaatt acgagcgtct cgatatccta tgggacacaa tcggacatcc gattcagaag 420

ttattgtcgt ttgaattggc tcaaagcttc tattttcaat taccagc 467

<210> 9214

<211> 490
 <212> DNA
 <213> Glycine max
 <400> 9214

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 gtatctcgag acgctagaaa ttcaaaacag aagctattag aaaaatcaaa cgacgataac 120
 tttttacacg gatgtcccat tgagtcccat aatatatcga gacactcgaa attgaaaaca 180
 gaagcactta gcaaattcaa acgagaataa gttttgactc ggatgtccga ttgtgtcccg 240
 tagtatatgg agacgtcga attgaaaaca gaaactgtga gcaatttcaa acgacaataa 300
 ctttatactc ggatgtccga ttgagtcgcg taatatatcg agtcgctcgt aaatgaaaaa 360
 agaagctttg aggaatatca aacgacaata acttttgact cggatgtccg attgtgtccc 420
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 tcttttttca 490

<210> 9215
 <211> 309
 <212> DNA
 <213> Glycine max
 <400> 9215

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 gcataggcca agatgtggaa cttagagccg atggactcat ggcagtcattg tcaagtccac 120
 tagctgaata tgattgtgct gatggcatag acgagccagt ggaagcatat acagggcgca 180
 actcttgagg tttgtgggca gagaatctga cttttataac gcagccactc tcattcgttg 240
 aaatgcttgt acggtagtgg gcaggatagc aatctggact taaaaacacc atgagcattc 300
 tcacaggaa 309

<210> 9216
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 9216

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atttgcaaaa gccttgcttt attgccattg gatctccttt ccttaggact gtcttaaaga 120
 tacatattga acctgagcta ctgcataagg attctgtcct taaagtggaa agcagacaag 180
 atcttatttt ctataagggg gggaaactag ttcttagtaa tagtgctctg gctaaattca 240
 tcagtgggta caagaaatat gggaggattg gtgaactttc aaaactttta cttagtattc 300
 aaggggaact aaattcagtg gcaggggtcca gtttgtgttc tgatgtaatt ggtgcttgta 360
 ttcagtta 368

<210> 9217
 <211> 408
 <212> DNA
 <213> Glycine max
 <400> 9217

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 ttataataat acttggcaag ctcaagattt ggatgcttat ggtagaagaa gtctgagatg 120
 ggtgcaaaaa tattacatga tttatagcta ctgcaaagat tacaagcgat ttcctcaggg 180
 tcgacctcgt gaatgcaggc tttctagatt ctcttagtgc gggataagta aatttaaaat 240
 taatttgatg attttttcat ttgtgtgtat ttaaaattcc actcgaatac ggctgaattt 300
 gagcaagatc aatttgattt tacttttgct tgcttgaacc gataatttca tctcttggtta 360
 tttacctatt tctcctactc tttctaaaca atgtaaaatt attaaaaac 408

<210> 9218
 <211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9218

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 gacagctttc caggttctgc tatccagcga tttgaggaag gccaccattc ttgctttcca 180
 gtattcatag ttgcttccat caagaattgg tggctctgat cctgatnnta cttctttctc 240
 ca 242

<210> 9219
 <211> 483
 <212> DNA
 <213> Glycine max

<400> 9219

tggaactaaa ctttttttct ctaccacttg ctatccacaa actgatgggc aaacagaggt 60
 agtgaataag tctttatcca cccttttaag gctcttctga aaggcaacca taagtcttgg 120
 gatgactatc ttcctcatgt agaatctgcc tacaacaggg ggggttcatt gaaccaccaa 180
 gcattccctt tttgaagttg tctatgggtt caatccccta acatcgctag acctcattcc 240
 cctcccactg gacacttctt ttatacataa agaaggggaa tcttggtgag agtttgtaaa 300
 gaagttgcat gagaggggta agaaccacat agagaaccaa acaaactgtt tttcaactaa 360
 aggcaacaga ggaagaaaaa aactatttct taatgagggg gactgggttt ggctccatct 420
 tacgaaggat agattcccta ctaaaaggaa atccaagctt agccctagag gggatggacc 480
 ttt 483

<210> 9220
 <211> 630
 <212> DNA
 <213> Glycine max

<400> 9220

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 aaaatgttaa taaaaagtat tattaaataa gaagtaacta ttatataata taaaatacat 120
 taaaagttta ttaactataa atactgtgtc catctttata tataggaccc tttcaactaa 180
 tttcaaccct taaataatta gttaatttag tcaatgggtat taaatttatc aataatttgt 240
 gttgtttttc caaaattaac cttattatct taaaattaat tatgtcctct tttcacttaa 300
 ttgtttctca tctagttact actctaggtt cttctcgaat cctaataata aagaaaataa 360
 gtttatctca ttgtactcat ccccttctaa aatggctgac gtttaagatt ttttcacaca 420
 aaataagaac aacaataaat aagttaggga tcaaaataat tctactaaaa tatatttcat 480
 ctcattgctt taatttatga ggtgataaat ggtggtagtt gaaaaattgt aggacaggca 540
 ttaaattcat gtatttatta agggctaaat tgaaataaaa attttgatat ctcaattaaa 600
 aataatagca ttaatctatt taattttttg 630

<210> 9221
 <211> 594
 <212> DNA
 <213> Glycine max

<400> 9221

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gcttgaagag aacccatcaa ttggtctaca gtcattgagt ctaaatacctt agactcttca  120
atagcacaaa ccacataatc aaatttagcg attaaggagc gaatgatctt ttccaccaca  180
cgaacatctt ccatatcttc tccataaacac ttcatttggc tcacaatagc caacaccttg  240
ttgccaaaat ctgagataga ttcggtatcc ttcatatgta atgattcaaa ctctctacgt  300
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tcccatgctt ctttggatgt gggtagatctt gacaccaaca ctactagaag atgcatgac  420
tacatcggtc acaatcaatg ttctacaacg gtgcatgacc gtttttgatt ataatgatgt  480
tgaaacttaa aaatttcaac atcagtccat aagcgaacgt tgtagtaagc tgtttttttt  540
ctacatcggg gctatactaa tgactgatgt agaaacattg gttctgcttt ttga       594
  
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<210> 9222
 <211> 590
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9222

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acataatcaa atttagcgat taagggacga atgatctttt tcaccacacg aacatctttc  120
atatcttctc cataacactt catttggctc acaatagcca acaccttggg gccaaaatct  180
gagatagatt cggattcctt catatgtaat gattcaaact ctctacgtag agtttgtaag  240
cgcacctttt ttaccttctc aacaccttca agggagggtt tcaaaatctc ccatgcttct  300
ttggatgtgg ntacanttga caccaacact actagaagat gcatgatcta catcggtcac  360
caatcatgtt ctacaacggt gcatgaccgt ttttgattat aatgatgttg aaacttaaaa  420
atttcaacat cagtccataa gcgaacggtg taggaagctg ttttttttct aaatcggcgc  480
  
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tataactaatg actgatgtaa aaacattggt tctgcctttt gagggccgat tttctacatc 540
cgtttttaaat taagcaacga tgtggactct tattttctac ctcggtttta 590

<210> 9223
<211> 192
<212> DNA
<213> Glycine max

<400> 9223

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agtggaaata tgtgtatcaa cgcatacttg cgggtgaaaa agaactggga agagatgccc 120
tggattgcaa ggagatcatg gacctcatca aggcggctgg actgctgaag actgtcaaca 180
aattgggaga ta 192

<210> 9224
<211> 429
<212> DNA
<213> Glycine max

<400> 9224

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tattttcaga ttgggaatgc ctctaacagc acctttgtca atgattttct tcatgcctct 120
taagtgcaga tgtctaaatc tttgatgcca tattttgact tcattcttct tggagaatag 180
acatgtggag gagtacctgg tttcttgagg tgtccatagg tagcagttgt cctttgatct 240
gctgcccttc attagaactt cactcttctc atttgtcacc aagcattctg actttgtgaa 300
gtttacattg aatccttcat cacacagctg actgatgctg atcaagtttg cagtcagtcc 360
cttcaccagc agtactttgt ccagactagg aagtccatca tggactagct ttcccattcc 420
agtgatctt 429

<210> 9225
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9225

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tattgtcggtt tgacttttct tagagcatcc gcggttcaatt tcgagcgtct cgatatattg 120
catggctcaa tcggacattc gagttaaag ttattctcgt ttgatttttc tcagagcttn 180
cgttttccat tacaagcgtc tcgatatcct atggcacaca atccgacatt cgagtcataa 240
gtta 244

<210> 9226
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9226

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tactgttgca agagtctgtg gtctatgttc ttctgctgat caccatacag atctctgtcc 120
ttctttgcag caatctggag tcaatgaaca acttgaagcc tatgctgcaa acatttataa 180
tagaccttcg cagtagcaaa accaacaaca acagaataat tatgatcttt caaacaatag 240
atacaatcca gggtggagga atcatccaaa tctgagatgg gcaaactctc cacaacaaca 300
acagcctgtc ccttccttcc agaatgttgc tgggtccaagc agaccatatg ttcctcctnc 360
aatacagcag cnacaacaac aacaaagaca acaagtaact 400

<210> 9227
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9227

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gatggtactg cgggtgaacc acaagctgaa atttcttttg gtgaggtagc catggaaaag 120
cagagacgtt ggaatgattt cgtaaacttc agaaagctat tgggaaatgc tggagaaaac 180
acgaatgcca agcagatata aatttgaata aagaatgtag aggggcgtgt gaagcaacgg 240
tcgaatttgc tttgtagtga acgtgctatt aatgttaagt gattcgtttg ggcaagttca 300
gattgcagta gctgctataa ttcctctagc agacaaatgc ccagcttgcc tctcagttnt 360
tcacactgat gtgcattcaa agcctttgtg aaaatatctg ctatttgttc ctcagtgtca 420

acatgcttca gtgtgatc

438

<210> 9228

<211> 429

<212> DNA

<213> Glycine max

<400> 9228

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ccttttaaga gctggactta tggaggagga aagaacaagc atagctaggt tccttagtgg 120

gcttaatatg gaagtgaggg acaaggttga actccttcca tatatggacc tagatgagct 180

agtccaactt tgtataagag tggagcaaca acttaaaaga aagtcttctt taaaatctta 240

aggctttcac tcttatccaa ggaaggacca agcccaagga attttgagg ctgcaccttg 300

aaaacccaag gaagataagg gtaagaccat agagaaatcc acccctaaga ctagttccca 360

agaaaggact agcaacataa aatgtttcat atgtcttggc agaagtcaca ttgtctctta 420

atgccccac 429

<210> 9229

<211> 398

<212> DNA

<213> Glycine max

<400> 9229

ttgtaagact taattcaccc actctcttaa gttattaagg tctcttgtcc aacacactca 60

acccccaaac acttttgtgc tgaagcaata aacactactt gttatttaca aaacagaatt 120

tatataagac caatcttaaa gaagactccc tatgaattat ggaagggaca taagcccaac 180

atctcttatt tccaccatt tggatgtcag tgtttcattc taaacaccaa agataacctt 240

ggaaagtttg actccaaatg tgattctgga atcttacttg gatactttga atcatccaag 300

ggatataaag tgtataactc tagaaccttg actatggaag agtccattca tgtgagaatt 360

aatgacaaca aacctgacac tacaatgtcg gagctaga 398

<210> 9230

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 9230

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gcagnntgg atatcattca cacttaacca ttaattcaga gtattattat atcatgattc 120
ttgactttct gtaatttggt gcacactact gctatttata ttatgtgtct gcgctcttga 180
gactaaggaa tgttcactat agaattaata aatttaagtt ttatacaatc aaaacaatta 240
ttttaaaata ttctaacatc taaaatatcg ttagttacaa atcttttaca tcttttataa 300
atttaagaat tatcatttga gtttgctggt agaaaaatta gtgaacatgt atataagtag 360
aattctataa attcaatact atagcattct taaagtggaa tattctctac atgattaaaa 420
gctagtattc accaatttat at 442

<210> 9231
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9231

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gtcttgcttt tatagactct tcatgtctgg tccagaaaac cattggaaga gttataacct 180
tgagaaaatc ttgagaaaac cattggaaga gttacatctc ttgacctttt attcaaaact 240
tgtcactggt aatcgattac cataaccatc taatcgatta cacaatgcat tttatgaaaa 300
gatgtgactc ttcacaattg aatttgaatt tcaacgttca gatacactag taaccgatta 360
ccaatatatt gtaatcgatt acaccattta aaaattattt ggaacattgc aaanttagtt 420
taaagctttt tgaatcacat tttatc 446

<210> 9232
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9232

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 gataaggata tcaaggaaat cctctccatg aattttggac ccttcatccc attctttgat 180
 tcgctgctca atgatgggat catgatactt gccacagtt tctatggcct tcttcacctt 240
 gccctcatga ccataaagt caagtcccct caagcaaggg acatagtcag aaactctaaa 300
 gtcataaatg tatntaagca ttgtgaaaat ggcataaga tgttccactt cctcactacc 360
 aggccctcca tccttcttac cctccccana gtacctccta ctannagtca atttcttcat 420
 cacattgcaa caatagt 437

<210> 9233
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9233

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 catgcacagt ggccaaagat gcatgggaga tctgaaaac cactcatgaa ggaacctcca 120
 aagggaagat gtccagattg caactattgg ctacaaaatt cgaaaatctg aagatgaagg 180
 aggaagaatg tattcatgac ttccacatga acattcttga aattgccaat gcttgcaactg 240
 ccttgggaga gaggatgaca gatgaaaagc tggtaagaaa gatcctcaga tccttgccta 300
 agagatttga catgaaagtc actgcaatag aggaggccca agacatttgc aacatgagag 360
 tagatgaact cattgggttc cttcaaacct ttgagctagg actctcgat agggctgaaa 420
 agaagagcaa gaatctggct t 441

<210> 9234
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 9234

tgatggtgtc gagaagaaac acttgtgtgt catcattttt aagggggaga atgtgaatgt 60
 atgtatacat gattttgatg atgtcaaaga agaataaac aaggctgctt caatcgataa 120
 acatttgctt caagaataat tcaagaatgc ttcaacaaac aaagccttgt ttgaagattc 180

actaaagacc aagccttgcc ttaaaacaaa gtgctttcaa gacatgcaag gctctggtaa 240
 tcgattacca ggaagtgtaa tcgattacca gaagacaggg ttgagaaata gctgttgaaa 300
 aaggttctga atttgaattc tcaacatgta atcgattacc gtatgtctgt aatcgattac 360
 cagcaacgaa actttgaaat tcaattccaa agtcat 396

<210> 9235
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9235

ntccctcttt gaacaaatac ccctcagcca tatagaattc atcttgggcc tttttcccaa 60
 aactctcgta agtgggagag aaatgttcat ctaaagcata caagtcccta atattatcaa 120
 atcctaaaat ttgagctcct aggagctaa acaatgtgtg tctcctagag agggcattag 180
 ctaccacatt tgtttttccc tttttgtatt tgataacata tggaaattgc tttagggtact 240
 ctaccatttt tgcattgcctc ttgtttaact tgctttgcc tctaattgtac ttaagtgtatt 300
 gatgatcact atgaatgaca aattccttgg aaacaaggta atgttcccaa gtttgaggagg 360
 ctcttattaa ggcatataagt tctttatcat 390

<210> 9236
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 9236

ctttgaaaat acagggcatc ttgacctat atagtcata gacaaaacat aaaaaataac 60
 agaataaaact tccatatgga tttaggtcac aaccaacaa ttcaccacct tgaactaaca 120
 tccatatagg acacaaactg ctccctctaa gcacacaaga acttaacccc aacaatcaac 180
 attgagcaag ctttaagcatt gatcaaacat gctctttgga actggctttg tgaaaatatc 240
 agcaggattg tgcagagtgc tgatcttatg aactttgatt cttctttctg accgaatgaa 300
 gtgatatcta acatctatat gcttggttct atcatgatga acctgatcct tggccaagca 360
 tatagcacta aggctgtcac agtagatgtt agcatattct tgattaattc cgagatcatt 420

tatc

424

<210> 9237
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9237

agcttagcta cacatacctc tctaatagct aagcttttct ccttgagatg ataagctaga 60
gcttagctac acacccccta taatagctaa gctcaccccc atgacaaaaa aacatgaaaa 120
tacaaaaaaa aagtccttac tacaaaagact actcaaaatg ccctgaaata caaggctaaa 180
accctatact actagaatgg ccaaaatata aggcccggat gaaggaaata cttattctaa 240
tatttacaaa gataagcggg ctcatactta gcccatgggc tcgaaatcta ccctaaggct 300
catgagaacc ctanggcctt cccttggatc tctagcccta gcgctgttcg cctatcctcc 360
accctcaact cttattcaga gacccatgaa ttgattgcct accgctgttt atgtgtccct 420
caccatcgag tctg 434

<210> 9238
<211> 412
<212> DNA
<213> Glycine max

<400> 9238

ctaagcttac acttgataat ggagaacaca tgaacagcgc taggtaatga cattcattgt 60
actccgaaca aaggtggagt atggaggatt gccttgaggg tccgcactta ggcaatcatg 120
aaactcagct ccaaactcga aagtggagga cacatgaaca gccctaaaca agaacattca 180
tgtggctccg gaacaggatg agaatggagg attgccttga gggtcctctc ttaggcaatc 240
atggaacaca gctccagact cgaaaatgga ggaaacatga acatccctaa gcaataacat 300
tcatgtggct ccggaaaagg atgagaatgg aggaatgcct tgagggtcct ctcttatgca 360
atcatggaac tcagctccag actcaaaaagt ggaggacaca tgaacagccc ta 412

<210> 9239
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9239

ntactgaaga aagcaatatg tcgtctctgc tgcattatta cagcacctat acctctacca 60
gccgcatcac actcaacttc aaaaggtaaa tcaaaatttg gaataattag cacaggggga 120
gaagtcatga toctcttcat ctctcaaaag gccttgacag cttctattcc ccaagaaaaa 180
atgtctttct tagtcaattc ggtgagaggt tttgctattt taccataatc ttggataaaa 240
tttctataat accctgtgag gcccaaaaaa ccacgtaccc ccttcacatt ctntgggtgtg 300
ggccatgcaa gaatacagtt caccttttca ggggtccattg ccacaccttc tccagaaatg 360
atatggccaa gataatcaat ntgagcacac ccaaacctac actttgcttg atttgcacan 420
aacaatgctc aac 433

<210> 9240
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9240

tcatgatgat gaatcaagtt gattcaagta gttttgatga tgacaaaaag cctaagataa 60
gtttgatttc gagattcaag agaagatgaa ttcaagattc aagagaagaa atcaagaaga 120
cttcacaagg taagtattga aaagattttt caaaaaacaa acatagcaca attttgtttt 180
tcaaaagagt ttttctcaaa attttctaag ttaccaaaagt ttttactctc tggtaatcga 240
ttaccaatta cctgtaatcg attaccagtg gcaaagtttg atttcaaaag cttttaactg 300
aatttgcaac attctaattg atttttttaa tggtgtaatc gattacaata tattagtaat 360
cgattacatg gtggtggtaa tcgattacca gtgacaagtt ttgaataana atcaagagat 420
gtaactcttc caatgggtta taaggttttc tc 452

<210> 9241
<211> 317
<212> DNA
<213> Glycine max

<400> 9241

ggcatccatt gcacgcttct tgtctcataa aaaatataat ataagctatg ttatcatggt 60

agcatagatg catttagtgt taaccaatga aatacctttt ttgttgcttg acaaattagg 120
 ttgaacttga aaaccagctt aagttggcaa tggttgtaac ttcaatgcaa tagtgggtata 180
 aagcaactta taattttctc tgtttattct gtgttggttaa tcagaatgca ccagatttgt 240
 ctttcttctt gcttcatacg tgtgcccaca acccaactgg tgttgacacc actgaggagc 300
 aatggagaga aatatca 317

<210> 9242
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 9242

acaacccttc ctttgtgttc agattgcttt acaacaagag acccttggtc tcttaatccc 60
 ttttcagaaa taagatgaag agaagaagaa atctctcttg aaagagatag attgaacaat 120
 ggagcactca aattattcct tattgaattg caagtgtatt ggccaacgaa tttttaagag 180
 gataagacaa ttttggtttt gagaagataa gacctttttg ttcttaaaaa ctctaagcaa 240
 atttgtgttc caaggcacat attaatagac ccttgatggc cattcaaaaa ccatttgaac 300
 agatgtgact cttggaaatt aatttttgaa aatct 335

<210> 9243
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9243

tcaagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
 cctatcttta atggagtggg ttaccattac tggaaaaccc gcatgcaaat ctttatagag 120
 acaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180
 gccggaagtg caacaataga aaaacctaga gcagactgga ctcacgaaga aagaagaata 240
 gtacaatata atttaaaggc gaaaaatatt attacatctg ccctaggaat agatgaatac 300
 tctaggggtt caaattgtan aagtgctaag gatatgtggg atacactaca agtaacacat 360
 g 361

<210> 9244
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9244

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccgac aaagacactg acgaaaactt atctttctct ttttggaata agtatgacaa 120
 gctgggtgca agtaaatattt attcccatca gaccttggat gcaactgtga tcgtatcccc 180
 atatcagcta gatcttgacg ggtattcaag ccatccttcg tctcaccttg aatcttaagg 240
 agtgtcccaa tcacactatc acatacatctt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcta gatcagacca gtacggaaga tcaaagaaaa tggacctctt ctttcatatg 360
 caactggtac ttttatac 377

<210> 9245
 <211> 259
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9245

tctcgatata ttatgcgcct gaatcagact tccgtttcaa tagttatgac catatgaatn 60
 tctccactgt attccgtgtg acaagttatg accatttgaa tttctcgata gcattcgatg 120
 ttcaatttcg agcgtctcga tatattatgc gcctgaatcg gacttccgtg tgacaagtta 180
 tgaccatttg aatatgtcga gagcatccga tgttagattt cgagcgtctc gatataattat 240
 gcgcctgaat cagacatcc 259

<210> 9246
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 9246

agctttctga tatattatgt gcctgaatcg gacttccgtt tgaaaaatta ttaccatttg 60
 aattttctga gagctttggc tgttcagttt cgagtgtctc gatataattat gcgcctgaat 120
 cggacttttg tgtgacaagt tatgaacatt tgaattttct gagacctttc ggtttctcaat 180

taagatcgtc tcgatatgtg atgcgccaga atcggacttc cgtgtgacaa gttatgacca 240
 ttggaattta tcgagacctt ccgatcttca atttcgaggg tctcgatata ttatgtgcct 300
 gaatcggact ttcgtgggac aagttatgaa cattggaatt tctcgagacc attcgttggt 360
 caatttcgag cgtctcgata tattatgcgc ctgaatcgga cttccgtaga caggta 416

<210> 9247
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9247

ggagctcggg gtctttctga agttcctcag ctgacttgta gtagaatgag acatattctt 60
 ccaccaaga cttgatagca tcccatatct ctagcccatc agaagcataa ggatagtcct 120
 cgatcaaaag tctaactcca tggggagcag atggatcctt aacagcaact cctctgaatt 180
 aaaagcacc aaataacatt gattagcaca agagttatat caagcctgaa gccctttttc 240
 ttcttatgtc attgatgact ctttatatga tgcattcatg tgttcccca ttgtatgcac 300
 tttgtgattt cttttgtctt ttttaatttac tgtcaaacac aaaactagag ctgaatcgga 360
 acaagaaact atttccaaca caaaagactt gagctgaatc caacaacaa aaacaatatg 420
 gcttgaaata aaaaaataa aa 442

<210> 9248
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9248

agcttcctca tggcnttctt gagaaacttt ctcaagaggc ttctttgaga agctaacgct 60
 ntaactacta acacccttct aataactaaa ctacactcct tgaaaataat tacagataaa 120
 ataacacaac aaatataatc aaacatcaaa cataattact aataatatat agatatatat 180
 atcaggggtg tacaactctc ctaccttttt aaaaatttcg tctcaaaat ttaccttact 240
 caaacaagga tggatgagct tctcgattt gactctctag ttcccacgtg gcatcttctc 300
 ctgatgcacc tccctagatc accttgacca acggaatctc tttccctct 349

<210> 9249
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9249

taggccatag atacaagaga atgccctagg attctcatga gccttagggg aaattntggg 60
 cccacagact aagtatgagc ccacttatct ttgtacatat tagattaaag tttcattatt 120
 ttttgtcctt gtattttaagg ctccattgtg tagggagggt accctattaa tgtagaat 180
 ttcagccctt gtattttatg gcacctacac taatatttgt attaagggtg gttttgtaat 240
 ttcacatgaa ttaagtgcac tattttatgt gtgtgttggg agataaattt aattgaattg 300
 ggaaaagccc aatccaatcc a 321

<210> 9250
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9250

gcccgttgt tgtccctgta cacggttccg gtaatgggtg cattgacggc accggtgggc 60
 atgctcactt ggctgccacc ataagtgggtg acattaagtt gcagcctttt agagtcatca 120
 ccggcttggg tctgaacggg gttggtgaga gtgtcgaagt tggagattga gaggaaggaa 180
 gaaagagtgt gaaattgtaa aagttcaacc ttttgcctgt cgttgagtga gttgaggaat 240
 cctgctttta gctttgagaa ggcagaatca ggtggggaga aaatgggtcaa tccccagaa 300
 cctgacgtga ggagttgaga gttgagttgg ttgatcaact gggtcgtctt cagaagccga 360
 atcagaacag anaatctctt ggccttactc acgatttgag 400

<210> 9251
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 9251

agcttcactt gaaattaagt atttaattat atgggttcttg atttaatcac tattttctct 60

ccccctttgg catcaacaaa aagccaaact acgtaagaaa tataaaacat acataaatga 120
 ctaatcatat aagagaatat aaaataatta aacaagataa tttaactatt catcaaactt 180
 agaaaggtaa gaaatataaa aatcatatcat aaatgacata caaaataata gaaaacaatc 240
 aaacaagata acttaaccat tcatcaatct tagaaagata atacttaata gaatgtcata 300
 taatccagaa agttattcat attaaccaaa taaaactact 340

<210> 9252
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9252

agctnggact tcctgtgttt tgggaacctc tccttcctca ggtgtaccca aacccaatca , 60
 cctggttcaa gcacgacttt cttctgtctt ttgttggtt gccttgcata gctcgcatth 120
 ttcttttcaa tttgaacctt cacttgctca tgcaacttct tcacatactc agctatagcc 180
 tgtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
 aaaggattaa atccatacac tatctcaaat ggtgaacaat tagttgtgct atggacagcc 300
 cgattataag caaactcaac atg 323

<210> 9253
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9253

agcttgaatt tccttttagt atggaatcta tccttcctaa gctggagcca aaccctgtca 60
 ccctcattaa gaactagctc ttttctttct ctattgcctt tagttgaata cacctttgth 120
 tgggtcttta tttagttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180
 tccccctctt tatgtataaa agaagtgcct agtgggatta aaccataga caaccttaaa 240
 aggggactgc ttggtggttc tatgaacccc cttggtgtag gaaaattcta catgaggaag 300
 atactcatcc caagacttat ggttgccctt cagaagatcc cttaaaaggg tggataaaga 360
 cctattcact acctcta 377

<210> 9254
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9254

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agcttatccc atgcctcctt agcagatggt gcataagaaa tcttctcgaa tgcattcattt 60
tttaatgctt gatagatgag gaagagagct ttattgtctc tctttcttga gtcctttaat 120
gtctcctttt gtacttggga tagtgaagtc tcatcttggt actcctttta gcatttttca 180
accatttccc aaacatcatg tgctccaaga agggccttca ttttgatgct ccaattgtca 240
taggtgctcc cctttagaag tggaaacttga aaggataccg cttcattgct tgccataact 300
atataggaat ttcttatcag aacctaagct ctgataccac tntgttggaa agaataaggt 360
tataggaagt atttaagaga catggaggag gggagaatat ctgaaagaga gctagtttta 420
tgacttgaga aatgtttt 438
```

<210> 9255
 <211> 309
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9255

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ngaaggcaaa ctggatgcat tggttaactn ggtaacccaa ctggccttga atcaaaaatc 60
tgtacctgtt gcaagggttt gtggtttgtg ctctctgtgt gaccaccata cagacctttg 120
cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgcta caaatattta 180
caatagacct cctcaacatc agcagcaaaa tcaaccacag cagaacaatt atgagctctc 240
cagcaacaga tacaatcctg gatggaggaa tcaccctaac ctgagatggt ccagccctca 300
gcaacaaca 309
```

<210> 9256
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9256

ntatacacct tgtgcagtta tctctatttc gggtggacct attgtttctt ctaatgttct 60
 tttagaaaca aaatgcaatt gtcttaaata tcatttttgg ttatgggaaa ttccatctgc 120
 atgctttcat tccccataag tcgcattgtt tttttttaa aatgtgtgtt cttctgatcg 180
 gtttatgggt ttgtttcttt actaagcgtg ttcacatttt agtgagagat ttcaagacta 240
 caatgtcttt tgttttacat ttcaagactt caatgtcttt tgtctttata ttttcaagac 300
 ttcatgtcc tctatcttta catttcaaga cttcaatgtc tttttgtctg tacattttca 360
 agacttcaat gtcttctgtc ttacatttc aagacatcaa tgtgttctgt ctttacattc 420
 tagagacttc aat 433

<210> 9257
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9257

tttttgtaat aggattaaat actctgtatc ccttttggtt tggagaatat ccaacaaaaa 60
 tgtacttttc tgccttggg tccagtttag accgagatat ggagggtgta tgcataaaaa 120
 caatacaacc aaacactttt aaaggcattt cagtatgtaa tcgacatgct ggaaaaattg 180
 ttttgaaagt gtccaaagg atgcggtaat ttaacacacg agtgggcatt ctatatataa 240
 ngtaggttgc tgttaggacg gcatcccccc acaaataatt tggaacatta ctctcaaaca 300
 tgatggcaca ggctacttca aggagatgtt tattttt 337

<210> 9258
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9258

tatcacgata canagctgtt gaagagagac ttcaaaccag gacaacatgt attacttttt 60
 aattcaagat tgaaattatt tcttggttaag ttgaaatcca aatggtctga acctttcatc 120
 atcaggaaaag ttggcctta tgggtgcaata gagttgtatg atccacaatt tcaggacott 180
 gactgaacat ggttggtgaa tggccaaaga ttgaaactgt accatggtgg agagtttgaa 240

aaggcaaaca ccattctaaa ttgatataa cccattgagg tatatgcgtc aggctaata 300
 cgtaaaaga ggccttcctg tgaggcaacc caactctgat ttctttcatt ttgtttttca 360
 tg 362

<210> 9259
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 9259

agctttcaac tttcctattg aattagctat aaacctttgc gtgaaattga tcttcccaat 60
 ccgactttga agctccttcc tattctgagg tggccttgct tccaacaatg ctttagcttt 120
 atttttatct acctcaattc ctctttgatg gacaaggaaa cccaaaaatt ttcctactaa 180
 tactccaaaa gcacatttct catgattcat tttaagcgta tgaaacctca tccttaacaa 240
 agaatctttt agatcgccca agggctcctc aaaatcgatt gactttgcaa ccacatcatt 300
 aatgtaaacc tccaccaatt taccaaccaa ttcattgaaa atagcattca tagcccatg 360
 ataaatggct cctatgttct ttaaaccaaa tgacattacc aaccattcat agatcccaag 420
 cgtttgtgga catcgaaa 438

<210> 9260
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9260

atggtcataa ctnttctcac ggatgtccga ttcaggctta taatatatcg atacgctcga 60
 aattaaacat cggaaactct cgcgaaattc aaatggatcat aacttttcac acggatatcg 120
 gattcgggta cataatatgt ctagaagctc gaaattgaac aacggaagtg cttgagaatt 180
 caaatgggtca taacttttca ccgatgtgac aattctggcg cataatatgt tgagaggctc 240
 acaattgaac aacggaagct ctgagaaat ataaatgggg ataactcttc acacggatgt 300
 gcgattcagg cgaatcacat atagagacac t 331

<210> 9261
 <211> 412

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9261

agctntgagc aaattcaaac gaaaataact tttaactcag atgtctgac gagtcccaca 60
atgcatcgag aggcacgaaa tataatacag aagctgtgag caaattctat cgacaataac 120
tttgtaccct gatgtccaat tgagtcgagt tatattcgag acgctcgaaa ttgaatacag 180
aagctgtgag ctaattctaa cgacaataat attttactcg gatgcccgac tgagtcacgt 240
aatatatcga ggcgctcgaa atagaatata gaatctgtga gcaaattcta tcgaccataa 300
ctttctactt ggatgtccaa ttgagtcacg ttatatctcg agacgctcta aattgaatac 360
agaagtcttg tgcaaatcta acgacaatat ttttactccg atgtctaatag ag 412

<210> 9262
<211> 317
<212> DNA
<213> Glycine max

<400> 9262

tcaacattca atatcgagcg tttcgatata ttacaggact aaatcagaca tccgagtaaa 60
aagttattgt agtttgaagt tgttcagagc taaggcattc aagtcggagc gtcttgatat 120
actatgggac tcaatcagac atccgagtaa aaagttattg ccgtttgaat ttgctcaaag 180
cttcggtctt caatttcgag cgattcaata tattgcgagg ctcaatcgaa catacgagta 240
aaaacgtatt ggcgggttaa tttgctcaga gcttcgggat tcaatttcga gcgtctggat 300
atattacggg tctcaat 317

<210> 9263
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9263

agcttctact ctnttggatg cttaaaaata actnttatcc aacaaatttc agttgatgtc 60
ttaaacatga tgaaatttgg ttaaaagctt aaaaaataaa gccaaaatgg ctaaagttaa 120
actgttccaa actttattat catttttgtt ccaaaaaact ttattattat tttaatcaga 180

ataaatgggtt agaatgtgtt tatttcaagg attaaaaattt tatcccagaa aatattttgt 240
gaaacaaacg ttccattgtt attgttttca ttatttataa tatttttttg caataattat 300
tactttaatc tcttataaca aatatttatt gatatacatg atgcactttt atattataac 360
ttgctaactt gacgtgatca aacagatata tagattataa aa 402

<210> 9264
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9264

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ggatatcgag acactcgtaa ttntaaacgg aagctctgag aaaaatcaaa cgacaataac 120
ttttaactcg gatgtccgac tgagccctgt aatatagcga gacgctcgaa attgaaaacg 180
gaagctctat gaaaagtcaa acgacaataa cttttgactc gaatgtccga ttgtgtcccg 240
taggatatcg agacactggg aattttaaac ggaagctctg agaaaaatta aacgacaata 300
acatttacct cggatgtccg attgagccct gtaatatatg gagacgctcg aaattgagaa 360
cgggagatct tgaaaagtca aacgacaata acttttaact c 401

<210> 9265
<211> 398
<212> DNA
<213> Glycine max

<400> 9265

agcttccgtt ttcaattacg agcgtctcga taccctacgg gacacaatcg gacatccgag 60
tcaaaagtta ttgtcgtttg aatttgctca cagcttcagt tttcaattac cagagtcttg 120
atatattacg ggactcaatc agacatctga attgaaagggt attgtcattt gacttttcat 180
agagctaccg atttcaattt cgagcgtctc gatataattaa agggctcaat cggacatccg 240
agttaaaagt tattgtcggt tgattattct aagagactta gggtttcaatt acgagcgtct 300
cgatattata cgcgacacaa tcggacatcc gagtcaaaag tattgtcggt tgatatgcgc 360
agagctttta ttttaaatac gagcgtctcg atatatta 398

<210> 9266
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 9266

gcttaacatc agaccacttt egggtgctgg aactacttca catggacttg atggggccta 60
 tgcaagttga aagccttggg ggaagaggt atgcctatgt tgttgtggat gatttctcca 120
 gatttacctg tgtcaacttt atcagagaga aatcagacac ctttgaagta ttcaaagagt 180
 tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaatcagg agtgatcatg 240
 gcagagagtt tgaaaacagc aagtttactg atttctgcac atctgaaggc atcactcatg 300
 agttctctgc agccattaca cccaacaaa a 331

<210> 9267
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9267

agcttcttag tttcagatga tgcagctgag tttgtagcta cctcatgcac tcctctaagt 60
 actataacat catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagcaactg ctctgaaatc 240
 tgatggtgag ggaaactgac acatagtttt ttaaattctt cccagtattc atacaggatc 300
 tctccactga gttgtctaata acctgagata tccttctga tggctatggc cttggaagca 360
 ggngaaatnt tttctaagaa tactctcttc aagtcatccc agctcgtgat ggaccttgga 420
 g 421

<210> 9268
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 9268

agcttaagag agtccatcct ttgtgatata caaagtaact atgagagatt agaacttaat 60

tgtaaattca ctcattaagt gttataatta atatataatt ctatatcaaa cttttgtttg 120
 tgaaaaccaa tagtgactga tgcaatccta ccccgtagag aaggccttag ggttctcatg 180
 agtcttaggg tagatttcgg tcccatgggc taagtttgag tccgcttatc tttgtacata 240
 ttagattaag gtttcattat ttttgggcct tgtatttagg gctccataaa ataggtaagg 300
 taccctagaa atgtaggatt tttcagctct tctatttttag ggcacataga ctagtttttg 360
 tattaagggg agttttgtaa tttcacatgc attaagtga tttcgtatgt gtgtgggtgg 420
 aaataaa 427

<210> 9269
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9269

cctccataag aaaattcttt gtcttctccg catcataaaa gnttgattct ctagttacac 60
 gctctacctc ctataattgt ccagtttttag cagcggcctc aatgtacttg aagtgaatat 120
 caggatcctc actttacaag acagaacaaa aaaaattaca gtaattgaaa aaaaaaaagt 180
 caagcagacc aactagtga ctgaggtcat gttcactctc caataaaaaa gaaatacctg 240
 gagctcaagt atgcacccaa gaaaaagtat agtccttcat aggatttgaa ttgctcaaag 300
 agtttaatgc atgcatcaac acccaactgc tcagaatatt ccttagcagt ctgcaaacca 360
 tgtactagta agaatttctt atagatgaat tgcggaattc aaaaaataaa atagaacatg 420
 actctta 427

<210> 9270
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9270

agcttatgac catnttaatt tctcgggagt ntccattggt caataaccaa tgtctcgata 60
 tattatgcac ctgaatcgga aatccaagtg aaaagttatg accatttttaa tttctcgagg 120
 gatttcgttg ttcaattttc agtgtctcca tatatggtgt gcctgaatcg gacctccgtg 180

tgataactta tgaccatttg aattttcttga gagatttcgt tgttcaattt caagcgtctc 240
gataaatgat ggcctgaat cggacatcca agtgaaaagt tctgaccatt tgaattttctc 300
gtcggctacc tgtgtcaaat tcgagcatct cgcattgtgat ggctgaatc gacctc 356

<210> 9271
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9271

tctagaggct nggattatct accccatttt cgatagtact tgggtaagcc caatccagggt 60
ggtaccaaag aaagggggca tgacaatcat tcagaatgaa aagaatgacc taatcccaac 120
aaggactttc actgactgga gaatatgcat cgattaccac aagctcaacg aagccacgag 180
gaaagaccac tttctttttc ctttcatgga ccaaatgttg gataggcttg cgggacgggc 240
ttattactac ttcttgtatg gatactttgg atataatcaa atta 284

<210> 9272
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9272

ntatacgctt tgtgcgggtt tcctctattc gattagacct agtgtttctt ctaatgctcc 60
tttagaaatg aaatgcaagt gtcttaaatt tcatttttgg tcatgagaaa ttctatttgt 120
atgctttcat tcctccttca tcgcattttt ttatataaaa aaatgtgtga ttgatctgat 180
cggtttgggg gtttgtttct ttaccaagcg tgttgcatt ttagtatttt agtgaaaact 240
tttagagact tcaatgtctt cagtctttac attttcaaga cttcaatgtc tccagtcttt 300
acatttcaag acttcaatgt cttcagtctt tacatttcaa gacttcaatg ctttctgtct 360
tttacatttc aagacttcaa tgtcttcagt cttta 395

<210> 9273
<211> 418
<212> DNA
<213> Glycine max

<400> 9273

agcttggttg ttagaaagac ccaacgcttt ttacctattt gatgcaatcc taccocgcaa 60
gggcattggg tagaagactc caagtcgatt gggctagaga tccaagggaa ggtcctaggg 120
ttctcatgag ccttagggta gatttcgagc ccatgggcta agtatgagcc cgcttatctt 180
tgtaaattatt agaatagggt tttccttctt ctgggccttg tattttggcc attctagtag 240
tataatgttt tagccttgta ttttggggca ttttgagtag tctttgtagt aaggactttt 300
tttttgattt ttcattgttt ttgtcatgga ggtgagctta gctattatag ggggtgtgta 360
gctaagctct atcttctcat ctcaaggagg tgagcttatt tattagagag gtatgtgt 418

<210> 9274

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9274

caaactggga naagaagtag ccacaaacaa aaacatagct gaagaagaga gtgattgtcc 60
aatcacaaca tcaagtagac gtcgtcttta tcttcccgga aggatcatgc atattattcc 120
tattgcacat tcgtctgaaa atcctaattc aaaccacaat ggttgtgatg agaaacatgt 180
ttccctatat gaaacgccta gagagctcta tggaaagctc agactntcaa gaaggatgat 240
acttgatcat aagtcaaaca agtatctgaa ggtgttataa caattaatca atcaactaga 300
gaaagagagc ttcatatatc atggaggatg agccaaggaa tagcggatga aanaataatn 360
ggtactaatt tgatcatgga 380

<210> 9275

<211> 255

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9275

agcttggtgt attccaagtt gattaatcat acctttaagc cagattgctt ccttcaactcc 60
ttcagctatg gccatgtatt ctgcttcagt tggtgtaaga gcaacaactg attgttgatt 120
tgctttccaa ctgattgttg taccaaacan agtaaacaca tatectatta aggacttcct 180

tgtgtctaca tttcctgcaa aatctgcatc tacatagcct gtgactgctg gctcgtgtgc 240
tgtcttcttg tacct 255

<210> 9276
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9276

tctaactgag gcagccaaca naataaatgc aagataaagt tctttcctga agagacgaat 60
tttcttcgtc ttcccagttt tttttgacaa ttctagtttg cttagttcct caatgcctga 120
atctgaggat gatctatgaa gactattaga tcgcattaga ggctcagctt ctttctcaaa 180
ggcaacccaaa tcagtctcag acgatcttcc caactttttt gtaaccaccc actcgtgaaga 240
acttccaaag cgaagtaatc cagatatcat ggcatataat ttagttaccg acatagtgtt 300
ctcaaataga aggtaaggaa ctataaacgg aatgaccgt ggagctggta gaacacttat 360
gagggacatg att 373

<210> 9277
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9277

agcttgtcca taaaaatagg tttttgaagt tcatcatttc aatttctcat taagtaaaat 60
ggatcatttt caaggtccaa cgccttaaaa tgatcacctc ttaagtaaaa aaaagagtcg 120
cttgataagc aagaactacg taggtctgat ttctcatcg caattgagga tacgtangag 180
caaaagcccc gcttttgtcg accaccccaa gagatcgta atggccaat gccttaacgt 240
ttctctcctt tcaaaaacaa gagatcgta atggccaac gccttaacgt ttctcccctt 300
tcaaaatcaa aagaccgtgt aatgngtcaa caccttaaat gaccctttgt tcaataaaaa 360
catattttgc gaaaaagata aaacacctaa ccaacact 398

<210> 9278
<211> 374

<212> DNA
 <213> Glycine max
 <400> 9278

agcttgtgtc acactctcaa ctgccgaagc taaatatatt gccgcatgaa gatgttgtgc 60
 tcaaagtctc tagatgaagc aacaactaca agactttaga gtaaaccttg atcacattcc 120
 tctaaaatgg gacaacacac gtgttatcaa tctaaccaa aaccctgtca tgcattttat 180
 gactaagcac atagaaatta ggcattatga atgcatcaag catagaataa cattctgttt 240
 gtacaagtat gtgattcaca ttgctattca tatcattttt tttgtttagt ttgtgtctta 300
 cttattgatt tatgtgcata ctcatagtt tgtttgaata tcacatgttt ttcttagtaa 360
 tttcgtgatt tctc 374

<210> 9279
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 9279

agcttgaagg aaaacttgat gccttgggtc ttctattaac ccagcttgcc atgaataaaa 60
 aatctacacc tgttgcaaga gtttgtggtc tatattattc tacagatcac cattcagatc 120
 tttgtccttt tttgcagcaa tttggagtca atgagcaact tgaagcttat gctgcaaaca 180
 tttataatag acctcaatag tagtgaaacc aacaacagca aaataattat gaccttttaa 240
 gcaatagata caatccaggc tggaggaatc atccaaatct aagatggaca agtcctccac 300
 aacaacaata gcctatctct ctttttcaga atgctgctgg tctaagcaag ccatatgttc 360
 ctctccaat acaacaacag tag 383

<210> 9280
 <211> 325
 <212> DNA
 <213> Glycine max
 <400> 9280

tcatgcttaa catgtatggc aaaactttat tattgttggt caagacatac aagtgaagctt 60
 gttacaaatc ttctacactt ggagtgatca cctgcagtc tcttgaacct ttaccacca 120
 ctctgtcatc atgccgacac tcaagaagcc caatagggtt agccttctct aagtattctg 180

aaaaaaattc aatggcttct tctgcaatgt acctctcaac aatagatgct tctggacgat 240
 atagattctt tgtataccct ttttaagatct tcatgtatcg ctcaaccggg tacattcacc 300
 gttgataaac acgaacacaa cattt 325

<210> 9281
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 9281

agcttatgtt cataactatg gtatggtttt ctaatcttga aacttacaaa acagttatga 60
 ataagtatgc agccatgcag gtacataatg aaacagtatc gatagcaatc actgcaaagg 120
 gaagttgatt gtaattaccc tttagaagtt ttatcatgag tccaccagtg gccagtgttg 180
 aagacgagaa tatctgcac tttatattga gatgaagatt taccaaccaa atcgagacga 240
 agtggttctt tctttgtccc attcttatca gtcatttccc cttcttgaac caagaatgga 300
 gacacaaaaa gctccacgga gaagtgataa tcctattgag ataccaaacc agctctgtga 360
 ggtaaagaat aataaatcaa ag 382

<210> 9282
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 9282

cttgagcaat tcaatgggtca taactatata ctcaagttttt cgattcaggc gcataatata 60
 tcgagacgct cgaaattgga caatggaagc tcttgagcaa ttcaaattgt cataactttc 120
 aactgggagg tgcgaaatcat gcgcattata tattgacatg ctcgaaattg aacaacggaa 180
 gctcttgaga aattcaaattg gtcataactt tacactcgga tgtccgattc aggcgcataa 240
 tatttcgaga cgctcgaaata tgaacaattg aagctcttga gcaagtcaaa tggtcataac 300
 ttttaacttg gatgtgcatg tcatgcgctt aatatatcga gacgctcgaa attgtacaat 360
 gg 362

<210> 9283
 <211> 371

<212> DNA
<213> Glycine max

<400> 9283

agcttcatga gagagtcaaa gatcaaattt ataggaaaag taaaagctat gctaaacaag 60
ccaacaaagg gagaaagaaa gttgtcttct aaccocggaga ttgggttttg gtgcacatga 120
gaaaagaaag gtttccggaa cagaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgct tgacagaatc aatgacaatg cttacaaagt tgagctgcc ggtgagtata 240
atgtagttc caccttcaat gtctctgatt tacctctttt tgatgcagat ggagaatccg 300
atgtgaggac aaatccttct caagaggag agaatgatga ggacatgacc aatagcaagg 360
gcaaggatcc a 371

<210> 9284
<211> 355
<212> DNA
<213> Glycine max

<400> 9284

agcttctcgg tatattatgc acctgaatat tacctccggg tgacaagtta tgaccatttg 60
aatttctcga gagcttccgt tgttcaattt cgagcgtctc gatattctat gcgcttgaat 120
cggacctccg agtgaaaagt taagaccatt tgaattgctc aatagcttcc actattcaat 180
ttctagcgtc tcgatatatt atacgcctga atcggacctc cgagtgaaaa gttgtgacca 240
tttgaatttc tcgagagctt ccgttggtca acttagagcg tctcgatatt ttatgcgcgt 300
taatcagacc tccgagttaa aagttatgac catttgaata tctcgagagc tttcg 355

<210> 9285
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9285

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ttttgtgagc aacaaaggct aaaatgattc ttataacttc aagtctagca acatgaacaa 120
aggtttcaga gaaatctata actttntggt gattatatcc tcaagctact aacctagctt 180

tgttgcatcac tacttttctct tgttcatcca acttgtttct gaagattcat cttgttccaa 240
 tgggtgctctt ngtttctggc attggaacaa atgtccagac atcatttttg ttaaactgat 300
 tcagtttttc ttccattgtg attatttagt catnttctat caaagctttg tctatagttt 360
 taggtttgat ttcaaacaca tgggtctttga atga 394

<210> 9286
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9286

gctttatagc tnggttagtt nctatggagg tgtgtaatga tttatctcct aggttgcacc 60
 tcttaatgaa attgttaaga aaaatgtggg ctttaaattg gggcgggcgg ggagagggac 120
 aataacatgc atttgctcca ctcaaagaaa aattgactcg tgcacctatt cttgcattgc 180
 ctaattatgc aaaatctttt gaaatcgaat gtgatgcac taatgtgggg atataggttg 240
 gtttgattca agatggacat tccattgctt attttaagga aatgataaat gggggttgtc 300
 ttagttattc acatatgata atgagttgat gccttgggta tagccttaca acttggcaac 360
 atttcttttc ccaagagtt 379

<210> 9287
 <211> 339
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9287

tctatagaag gtcgttccta atttctctac aattgcatca cctctcaatg agctggtgaa 60
 gaagaatgtg gcatttacct gnggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120
 aaagcttact aaggcacctg ttctagctct tcttgacttt tctaaaactt ttgagctaga 180
 atgtgatacc tctggagtgg gagttggagc tgtattgtta caaggtgggc accctattgc 240
 ttattttagt gaaaaacttc atagtgccac cctcaactac cccacctatg ataaagagct 300
 ttatgcctta ataagagccc tccaaacttg ggaacatta 339

<210> 9288

<211> 313
 <212> DNA
 <213> Glycine max

<400> 9288

tacttggatg acctccaatt tgtggactct tccatttatt gtccatatgg ttttcttgag 60
 gatgatcttg tcaaggtgaa taaatttatt tttctggcca actttgtagt gatggacatg 120
 gaaaaggact ccaaagtgcc acttaatttg gaagaccctt ctagaacacc actaagattt 180
 tggttaatgt gcatgatggt caaacaaagc ttagtgtcat ttgatgaaga gatcacattc 240
 aatgtgtttg agactatgaa tcacctatta gatgagaaat cttatcttct gatggatgtt 300
 cttgatgatg ctt 313

<210> 9289
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 9289

agctttgagc aaatttctaag gacaataact ttttactcgg atgctcgatt gagtcccgta 60
 atatatcgag aggctcaaag ttgaaagccg aagctcctag ccaattcaaa tgacaataac 120
 tttcaactcg gatgtccaat tgagtcccg taaatatacga gacacgcgaa attgtaaata 180
 gaagctctag tcaaatttta acgacaataa ctttttactc gaatgcccg tagagtcccg 240
 taatatacga agaggctcaa aattgaaaac agagtctcct agcaaattca aaccacaata 300
 agttttgact cgtatgtccg attgagtgcc gtaatatatc gagacgctca aaatataaaa 360
 ttaaagctt 369

<210> 9290
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9290

agcttcctta agaagattct taaagttttt agagcttagc taaacacacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagcta gagcttatct acacaccccc tataatagct 120
 aactcatccc catgacaaaa tacatgaaaa taaaaaaaat tctctactac aaagactact 180

caaaatgtct cgaaatacaa ggctaaaacc ttatactact agaatgacca aaatacaagg 240
 cccaaacgaa gcaaaaacct attctaatat ttacaaagat aagcgggctc atacttagcc 300
 catgggctcg aaatctatca taaggctcat gagaacccta nggccttccc ttggatctct 360
 ggtccaatct acttgat 378

<210> 9291
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9291

agctttttaa ccttgagttt tatgaatatt attttattgg aagtattcct cctgagctag 60
 gaaatttatt tctgttgag actctgagg tctatcacia taatttgaat tccaccattc 120
 catcttccat tttccactag aaatcgctaa cacatttagg actctcagag aatatattgg 180
 aaggaacaat attctctgag attggatctc tgaattcctt acaggctcta accctgcatt 240
 caaatgcttt aactgggaag atcccttcat caataacaaa cttgacaaaac ttgacctatc 300
 tgtaatgag ccagaatatt ctcttaggtg aacttgctcc aa 342

<210> 9292
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9292

tctcacaatt ctncccaatc ttctgggaat aaccctactt aactgattaa aagacagatt 60
 caccctcta agcctcccta caaaaccggg aacagaacca ttcaattcat taccagccaa 120
 atcaaaacct ccaatctctc aagagacca attgaactag gtatctctcc aacaatccta 180
 ttaaacccca gattcaaaac cctcaaattc ttcaagccat cgactctcaa gggaagatag 240
 ccactaatca aattcccttc ttaatcgaga acctcgaggt tctccatgcc ccaaactcgt 300
 ttcgggattt cactctcaa cgcggtgaag gggagagaca aaaccctaag ctccgtgagc 360
 tcggcgatca aactcagaga agaaacattt tcgaag 396

<210> 9293

<211> 407
 <212> DNA
 <213> Glycine max

<400> 9293

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ggatccttga gtcacctgcg gcatgcaagc ttgaaaaaca taagtagttt cagccttagt   60
tttaatagga aatatccaag tatatctgga aaaggcatca ataaaggata cataatactt  120
gaaaacagaa tagtaagtta aatgagatgg tccccacaga tctgtaaaaa aaagttctag  180
gggagagtaa acagaagtag aagaatgaga tggtagcctg tgagacattc ccaagcaaca  240
agaagcacia aagtctgaaa aaaatttatt atatgaagaa atattacact ggttgaagac  300
tagcttcatt acatgactat tgggatggcc taacctagca tgccaaagac taacagtgct  360
aggaggagaa ataacagaac tgggaagctac actagaattt ttattaa                    407
  
```

<210> 9294
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 9294

```

agcttgtaat cgattacaca catactgtaa tcgattacca gaggagattt tcagaaaata   60
ttctcaacag tcacatcttt tcatttggtt cttgaatggt catcaaaggc ctatatatat  120
gtgacttgag acacgaattt gctaagagtt tttctgaaca acaagtgttt attctctcaa  180
aaagcaaaat cgttttatcc tcttaagaat tccttggcca attcaattgc aattcattaa  240
ggaatcattt gagtgctcag attgtaaaat ctatctcttc aagagagatt cattcttctt  300
ctctttctaa ttcactaagg gattaagaga ccgaggggtct cttgttgtaa aagaattcta  360
aacacaaag                                     369
  
```

<210> 9295
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 9295

```

ctttcagcaa attcaaacga caatactttt ttctcatat gtctgattga gaccgtaat   60
atatcgagac gatcgaaatt gaattctgaa gctctgagct aattcaaacg acaataatga  120
  
```

tttgctcgga tgtctgattg agtcccgtaa tacatcgaga cgctcgaaat tgaatggtga 180
agctctcagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 240
aaacatcgag acgctcgaaa ttgaatggtg aagctctcag caaattcaaa cgacaataac 300
atttttcctc agatgtctga ttgagacccg taatatatcg agacgatcga aattgaattt 360
tg 362

<210> 9296
<211> 396
<212> DNA
<213> Glycine max

<400> 9296

tcaacattca actctagcgt ctcgttatat tatatgactc aattagacat ccgattaata 60
atatattgtc gttggaattt gctcagagct tcaacattca atttcgagcg tgttgatata 120
ttacgggact caatcagaca tccgagtaaa aagttattgt cgcttgaatt tgctcaaagc 180
ttcaacattc aacttcgagc gtctcggtat attataggac tcaattagac atccgagtaa 240
atagttattg tcggttgaat ttgctcagag cttcaacatt caatttcgag cgtctccata 300
tattacagga ctcaatcaga catccgagta aaacggtatt ggtggttgaa tttgctcaga 360
gcttcaaaaa tcaacttttcg agcgtcttga tatatt 396

<210> 9297
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9297

agcttcttat ctttaaaca agcaggggtc ttctattca acatttaa at acagtaagga 60
accaatcata cctttgtact cccttntgg agaattatta cctttctcat cctcatcatc 120
tttctggatt attagaagcc ctaggaagaa ctttagctca cccatcgta tcatattcaaa 180
ttcatctttc attagggttaa aaatcttctt acacatcctt tctaagggtg caccaattat 240
tatgtcattt gcatagatct gaacaattag aaggtttcct ttctatgcct ttctaaatag 300
tgtagtggtc actattcctt tatgtcatct acatagattt gaacaatcaa aaggttttct 360
ttct 364

<210> 9298
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 9298

agctttgagc taattcaaac gacaataatg ttttgttctg atgtctgatt gagacccgta 60
 atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 120
 tttttactcg gatgtctgat tgagtcccat aatacatcga gacgctcgaa attgaatggt 180
 gaagctctca gcaaattcaa acgacaataa cttttttact catatgtctg attgagtccc 240
 gtaatatatc gagacgatcg aaattgaatt ctgaagctct aagctaattc aaacgacaat 300
 aactttttgc tcggatgtct gatggagtcc cgtaatctat tgagacgct 349

<210> 9299
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9299

agcttcaacc aaggggagat ggaccatttc aagtgtttga aagaatcaat gacaatgctt 60
 acaaagttga gctgccaat gagtataatg ttagttccac cttcaatgtc tctaatttat 120
 ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gaaggagaga 180
 atgatgagga catgaccaan agcaaggga aggatccact tgaaggactt ggagggcctg 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttcg acaagtgttg tccatactat 300
 ntgaatacaa gccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360
 aaaaggtgga ggactaactg 380

<210> 9300
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9300

ntngagaaat tcaaattggc aaactcttct cacggatgtc cgattcatgc ttataatata 60

tcgatacgct cgaaattaaa catcggaac tctcgcgaaa ttcaaattgg cataactttt 120
cacacggata tcggattcgg gtacataata tgtctagaag ctcgaaattg aacaacggaa 180
gtgcttgaaa attcaaattg tcataacttt tcaccggatg tgctattcgg gcgcatatta 240
tgtcgagagg ctcaaatatt aacaacggga gctcttgaga aatataaatg ggcataactc 300
ttcacacgga tgtgcgattc ccggaataa catattgaga cact 344

<210> 9301
<211> 350
<212> DNA
<213> Glycine max

<400> 9301

gacacctgaa actaagcttt catatgatgg tggtagagag ctaacagaat catgtcaaca 60
tcttcattcct ctattctaac atctatatct cttaattcca tcaaaataga attcaattca 120
tcaagatgat ctttaagaga tgtaccttct ttcattgtga aaccaaattg actccttttc 180
aagaagagtt tgttgcagat tgacttagtc atatacaact tttccaactt gagccataat 240
tcacttgag tttcttcatt tgcaacttca tataaaactt catcagacaa ggaaagcagg 300
attagttagt gagccttttc ttcttgttct gcaagttctt caatctttta 350

<210> 9302
<211> 342
<212> DNA
<213> Glycine max

<400> 9302

agcttatgac cattttaatt tctcgggttt ttccattggt caataaccaa tgtctcgata 60
tattatgcac ctgaatcgga aatccaagtg aaaagttatg accatttgaa tttctcgagg 120
gattttgttg ttcaattttc agtgtctcca tatatggtgt gcttgaatcg gacctcgtg 180
tgataactta tgaccatttg aatttcttga gagatttcgt tgttcaattt caagcgtctc 240
gataaatgat gcgcctgaat cggacatcca agtgaaaagt tatgaccatt tgaatttctc 300
gtcagcttcc gttgttcaat ttcgagcatc tcgacatgtg at 342

<210> 9303
<211> 369

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9303

 agcttgaact ngacttgtn tataacttat ttattntct aactatgaat ttagtgttta 60
 ataaaggaat ttaatactag ataataatct tcaaatagaa aaatatgtgt taagcatgtg 120
 gtataatatt atggaatcca tataatttta atttttctat aatacatata gtttgggcta 180
 ttagagttat tcatgaacta tatggatgtc gagcttgtaa aatttgatct taatctactt 240
 aaataatcaa gctcaatctt aaatttgagt ttgtttatct acttaaaca ataaacttgg 300
 tcaaacattt agtgaatcaa actcaaagt tcacaaataa tttgatccat ttacatctct 360
 aattgtccc 369

<210> 9304
 <211> 366
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9304

 agcttggcct gctcggngtc ctgcctcta cactgcctt caccgtcctt tggcttggtc 60
 ttgggccttg aggccacagt cgcgtccctg ttggaggccg gactatggcc accatcatcc 120
 agcacgacc aaatctctc gcatagtttt cgacattgtc ttcctacaca tctgcttca 180
 tgtattctat catttgctcc ttgaaattgc tatacatctt tttcttctc caccgatggc 240
 atgtacgaga atcaaaattt tgaactaggg aaaggagaga accttcgagg tgcacacga 300
 tcgtgtgtgt tggggaaaga gggaggagaa ggtgtggtca atttcaaat cctagttgtt 360
 attgga 366

<210> 9305
 <211> 378
 <212> DNA
 <213> Glycine max

 <400> 9305

 agcttcaagg atgaggacca ttcttggttc tcaaacatgg aaaacttta ggccacaaga 60
 caaccactgg aaggtatgaa attccactac agaaaaaggt tcttccgaga aaccaccaag 120

tatgtttggg atgaccctac tctttttcgt attggtattg aaaatttggt aaggcaatgt 180
gtaacaaaag gagaacaagc aagcatactt tggcattgcc acaactcatt atatggagac 240
cacttcaacg cacaaagaac aactgcaaag atccttcaag ccaaattcta ttggcctaca 300
ctctgccagg tgctcataac catgcactat catgcatag ttgtgaatta gccacaaca 360
tatctagaca tgaaatgc 378

<210> 9306
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9306

aaactcaagc ttataccaaa gtccaaaaca ttaatatatt tccccttttt caatttatga 60
aactacttat taaattatta taattatttt ttgggttttt atcgtaagaa ttaaagataa 120
tattaagata ttataacac ttatgcacca tgttgaacca actaaattat acctcatttc 180
taattatttt tgtttgatat caatttttta atcttaaact atattttaat tcttaaattg 240
attattaaat atatcatatt tataaaacaa atctccatac attgagtcaa attcttaaatt 300
aataaaattt tatctttcaa tatattagtt tctcaacctc aactaagata acatggtcac 360
ctantttttc ttatataata taaaaaataa ttaata 396

<210> 9307
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9307

taagcatttn gtccatgagt attgcatata caggtttcgc ttcataatac attaaacaca 60
aatattttta ttactgtcat tctgtcaatc tatcaagtgt gacttgtgca gccaaaggaa 120
attactacat agaatcccca ccccggttacc ccccaaaatg tgaacatgat aatgggttacc 180
tggcagaaag tgggtgaaaa aaccctggag tccttttcatt tgaagcaata aacaaagttc 240
tttcagggtgg gaccactttt gctatcctac aaagcataaa ctctggccga gtgtctctat 300
caaagtgagg gtgcaagctc ctactacac caaatctatc ttcc 344

<210> 9308
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 9308

agcttctgtc cctgagaatc tggttcctat aagacaacag ggagtgaaga ttgctgaaaa 60
 ccctaaccctt gcaacaagtt ctagggaagt atacacggag atggacaaga caattcgcgg 120
 tattgtgagt agcattttga aagaagcttc tgtgcctgat gctgagaaag atgttccaac 180
 atcttccacc ccgaatgttt ctgtgcctga tgttgagaaa gatgttccaa catcttccgg 240
 cccaaatgct gaagcactcc ctttaccat g 271

<210> 9309
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 9309

agcttgaatt tccttttagt atggaatcta tcctttctaa gctggagcca aaccctgtca 60
 ccctcattaa gaactagctc ttttctttct ctattgcctt tagttgaata cacctttggt 120
 tggttcttta tttagttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180
 tccccctctt tatgtataaa agaagtgcct agtgggatta aaccataga caaccttaaa 240
 aggggactgc ttggtggttc tatgaacccc cttgtttagt gaaaattcta catg 294

<210> 9310
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9310

agctnttaga aaatgtcgat gctgagttat actatttttc ttccatgttt caattgtaca 60
 tagcttatgt cttcttcaca catagtgcac gcaagatgaa ccttaacact gtatccactc 120
 aaatttccgt atgctggaaa gtcattgatg atacaaaaca actttgcacg caacttgaat 180
 gtctcatttc gatacctgat gtagctccat gtggagcttg tangccttgg atcttcttca 240

tcaatggagt attttgcttc ttgaagatca atggcatctg aatggagaag gaggaaaggt 300
gattcgagat gccacttcaa aaagaagatg agtcaagaac aagctcacca ccataggaag 360
ccatggataa gag 373

<210> 9311
<211> 375
<212> DNA
<213> Glycine max

<400> 9311

agctttgcat atcctttgat aaaccttcta tagtaaccag tgaggcctaa gaaacctctt 60
agctgcttga tattgagtgg tgtaggccac tctagaactg cctgcacctt agtagcatcc 120
atagcaactc cttcacctgg aactatatgt cccaagtact ctatctccaa tacaccaaaa 180
gagcatttag acaacttagc aaacaaaaca ttttctttca atactttgaa tacaacctct 240
agatgggata agtggttcag ccatgtggaa ctatatacca atatatcatc aaaaaaact 300
aacacatatt tccttaaagc atgttggaag atatggttca tcaaactg aaaagaagtc 360
ggagcattgg ttaaa 375

<210> 9312
<211> 273
<212> DNA
<213> Glycine max

<400> 9312

agcttgacac agaccatacg aagattttgt gagtttatca aaccatgttg tcattcttga 60
caagataacc aagaggcatg tccatgtata ctccctcaat caaatcacta ttgagaaaca 120
cattatttaa atcaagctga aacatgttcc aatttctgtg aggtgcaatg gaaagaaaca 180
ctctcattgc cgtatgcttg gcaacaagtg agaaagcgtc caaaaaatcg atctctgctt 240
gttgtttgtt gcgtgtaccc ttttgcaaca aga 273

<210> 9313
<211> 383
<212> DNA
<213> Glycine max

<400> 9313

agcttagagg aaaaccattc gcattgttgt attttatttt cccgtāgaaa cccaaaaacta 60
tctcggtaaa actatgatcc cagtttcggt aaccgttgga ttttcacgaa gtttgatata 120
gtttttcgaa attcaattgc gcacacttcc accgttggga tttgtgagat aatattagt 180
gagggagaaa aaggaatcgc atgaagacag tacaagtgga ggtttcaatc tcttctccgt 240
ctctctgacg tttgggaatt ctatcggagc agtcggagga ataactgaag gaatctcaag 300
gaaccactag agatgttact atcactagct gaagacacgt gagtccgctc agagataagg 360
gatgagttta tcgcaattgg ggg 383

<210> 9314
<211> 342
<212> DNA
<213> Glycine max

<400> 9314
agcttgtgct attccaaatt gaataatcat acctttaagc cacattgctt cttcactcc 60
ttcagctatg gacatgtatt ctgcttcagt agttgaaaga gcaacaactg attgttgaat 120
tgctttacaa ctgattgctg taccaaaca acgacacaca taccctatta aggacttcct 180
tgtgtctaca tttcctgcaa aatctgcac tacatagcct gtgactgctg cctcgtgtgc 240
tgtctttttg taccttatac tagctttcaa agatccattt agatacctta gtgtccactt 300
cacagcttcc caatgtgcgc tgccaggata tgccatgaat ct 342

<210> 9315
<211> 325
<212> DNA
<213> Glycine max

<400> 9315
agcttgtagc atattgaaac cgcaatatat cgagaagctc gaaattgaaa gaagaaactt 60
tgagcaaatt caaatgacaa taaattttaa ctcgatgctc tgattgagtc ccttaatat 120
tcgagacgct cgaaattgaa aaaaaagct caaagcaaatt tcaaacgata ataacttttt 180
acttcgatgt ccgattgaga ccataatat atcgagacac tcgaaattga aaccaaaagc 240
tctaagcaaa ttcaactgac aataactttt cattcagatg tctgattgag tcccgtaata 300
tatcgagaca cacgaaattg aaac 325

<210> 9316
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9316

ntgatgcaac aatggagagg ttaatgaaac aactttatga tgcgctccat gagaggttgg 60
 atcaaagga gaatagagat cataataaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcttagaca aaaccgaatt gatggtatta aactcaacat tcccccttt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 aatatgagag ggaccaaag atgaagcttg ccgccatgga gttttccgac tatgctcttg 300
 tgtggtggaa caagcttcaa aaggagagag ctagaaatga agagcctttg gttgatacat 360
 ggacagagat gaaaaagatc a 381

<210> 9317
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 9317

agcttcaaga aaaagatggc ctcagcatac tccttatttc cagaagggaa ttctatcaat 60
 aggctccaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaattttt 120
 attgaggcaa taaacctaaa tatttgggaa gccatagaaa tagggcctta tataccacc 180
 acagtagaaa gaattacaat agatggcagt tcatcaagtg aaagtataac tatagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtaa tatacaattt aaaagccaaa 300
 aacataataa catctgccct gcgaatggat gaatatttca gggtttcaaa ttgtaagagt 360
 gctaacgaaa tgtggg 376

<210> 9318
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 9318

tcgaatttct caagagtttc cgttgttcaa tttttattgt gtagatgagt tatgtccccg 60

aatcggacat ctgtgtgaaa acttatgacc attcgatttt ctcgagagct tccgttggtc 120
aatttcgagc gtctcgatgt attatgtccc cgaatcggac atctgtgtga aaacttatga 180
ccattcgaat ttctcgagag cttccgttgt tcaatttcga gcgtctcgat gtattatgtc 240
ccgaatcgg acattcgagt gaaaagttat gaccattcga atttttcgag agcttccggt 300
gttcaatttc gagcgtctcg atatattatg tccccgaatc ggacatacgt gtgaaaacgt 360
ttgaccattc caatttttcg agagctttcg ttgttcaatt tcgagcgtgt cgatatgtta 420
tg 422

<210> 9319
<211> 571
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9319

agcttcatgg gagagtcaaa gatcaaattg ttaggaaaaa taaaagctat gctaaacaag 60
ccaacaaagg aagaaagaag gttgtcttcg aaccgggaga ttgggttttg gtgcacatga 120
gaaaagaaag gtttccggaa cagaggaaat caaagcttca acaatgggga gatggaccat 180
ttcaagtgct tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctttgatt tacctctttt tgatgcagat gtagaatccg 300
atgtgaggac aaatccttct caagaggag agaatgatga ggacatgacc aagagcaagg 360
gcaaggatcc acttgaagga cttggaggac ctatgacaag ggctagagca aggaaagcca 420
aggaagctct tcaacaagtg ctgtccatac tatttgaata caagcccaag tttcaaggag 480
aaaagtccaa gggtgtgagt tgtatcatgg cccanatgga ggaggactaa atgacaccac 540
tttgtctcaa tttttagagt gtttagtttg c 571

<210> 9320
<211> 556
<212> DNA
<213> Glycine max
<400> 9320

tgttcatcga ttcaaaggca tccccaaaca caacacggac tattttcaca ttcttccaat 60

ccaaaataact tccttgccac cctcaaaacc tccctatcac tatccacacc catgacctca 120
 aaaccaatt gattttctcaa aaaggtcatc aaagccccac ctccaacccc aaggcacaaa 180
 gccttcgggc taaaccccat ccgaatccgc ccctccacat attcactatt caacacaaga 240
 ccagccacca taggccccaa gtaagggtgc accaaaacct taagatcagg cacaaccccc 300
 acatcaccac caatgcacac accatcacia tctctctcaa gaataatata aatttcagtt 360
 tgaatcaaat taggcattct cttaaacctc aacctcctcc taaactccct cccatgatca 420
 ctctcatttt caattcaaca tcctcaaaca acatttcacc aacatgacac ccaacacatt 480
 catgaaccac cacactagaa accaaactat cctcataact cacaaggggt atctcacgaa 540
 tgcccctttt gaaaaa 556

<210> 9321
 <211> 562
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9321

agcttcgcca tcgaagacgt tgttgatgtc agcaacgacg ttgaaatgta tgcttttttag 60
 gtcaggctgt aacggcaacg acgtagtaat atataatttc aacgacggtg cttacgtaag 120
 caccatcttt gaagttatat attactacgt cgttgcatcc gcaaccaccg ccgttgaatt 180
 catgttcaac tacgtcggtta tcgtaagcat tgacgtagac aatttttttt ttactattaa 240
 aaatgttgat tattatatta caaatataaa ataaacataa ttaatataag ctcaaaattt 300
 ataaattatt attgtcaact aattaatatg ataagtaaat ataatttttg tgctataaat 360
 tatggtttta cttaatttaa tattatataa ataagcaaca taatgataaa tcattatcaa 420
 ccagtatttc aaatgtaacc ttatgagata aataaataac antaattaaa cataatatan 480
 taccaataat aaataaggta aatctactaa cactactaca aaagtgggat tcacatcggt 540
 gtgttaacat ggggtgtaaaa aa 562

<210> 9322
 <211> 524
 <212> DNA
 <213> Glycine max
 <400> 9322

gcatgcaagc tttttacaat cgatatgggt gttattcttt gagaaatatt tgatgcctag 60
 tgtagactat cttctttcca tgcttaagtt gcacaaagct tgtttgattt tcacaaattg 120
 agcatgcaca atgcccttta acactttatc cactcaaatt cccaaatgct gaaaagtcac 180
 taatggtaca aaataccatt gcatgcaact tgaaggcttg ttaacggtac ccatcaaaca 240
 cgtcaaccct gtcctccac aactttctta agtcttcaat caaaggactt agataaacat 300
 cgatatcatt tcctagttgt ttgggacca aaatcatcat agacaactta atgtattttc 360
 gttcatgca caaccaaggt ggcagggttg aaatcattag caaaataggc catgaattgt 420
 agttagtgt taagttacta aaggattcat tccattggaa gaaagtcaa gcctaagggt 480
 tcttgctac tttccaaatt gggaaacaca ccattaattg tctt 524

<210> 9323
 <211> 485
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9323

atgcaagctt nacttagatt acttttgttg ttgtggtaca cacataacaa atatagagag 60
 aggctagtag ataagaccac tctagaataa tcaatattag agagcaattg cctaagatta 120
 ttcactatat gcttgctcct cacttttgca cgtccttaaa cataatatat tgatatatca 180
 aaaatactat tataataaat aacaagaata tcttaatata ggtaaaaaaa atactgtcat 240
 gaaatcacat atataaatat ttgaaaaaat acaagggtgtt ttcattttgt gaaatcatca 300
 tttatataaa catatacatt acatataaaa cttgtattat attcttactg tatacaacaa 360
 gtttgaaata acgtgatgaa aatacatatg atcataaaat gtatactata taaaatagaa 420
 taaagcttgt atagcacaca tatttcacta tatgcgaaat aaaagcgaag cttaatatgt 480
 acttc 485

<210> 9324
 <211> 455
 <212> DNA
 <213> Glycine max
 <400> 9324

gccaaatgag cctttagaat caacctatga gaagaatcaa atatttccat tgagtcatgt 180
 ttcataatca atgaaaagcc tttcttaatt agttttccaa tactcaataa attgcatttc 240
 tttcttggtg catatagtac attttctata agtggtgatt ttccattctt ccctttaagc 300
 acaatattgc ctataccttt tgcactcaat gttctatcat ctggaaattg aactttgctt 360
 gttcttggtg tatcaagatc actcaaccat tctttgtggg ttgtcatatg gtttgagcat 420
 tcaatttcaa ggaaccaata cttagactgt gcaagattct cacaggtgg 469

<210> 9327
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 9327
 ttgaggaaat tcaaacgaca ataacttttg actcgggtggg ttgtttgtgt cctgaaatat 60
 atcgagacgc tcgtaattgg aaacagaagc tctgagcaaa ttcgaacgac aataaatttt 120
 tactcggatg tccgaatgga tcccgtggta taacgtgacg ctgttaattg aaaatagaag 180
 ctctgagctt attcaaacgg ctataacttt taactcgggt gtccgaacga gtctcgtagt 240
 atattgagac gc 252

<210> 9328
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9328
 agcttctgtt ttcaatttcg agcgtttcgt tattttacgg ggctctatcc gacatccgag 60
 ttaaaagtta ttgtcgtttg attattctaa gagcttcctt tttcaattac gagaatctcg 120
 atatattacg ggacacaatc ggacaccga gtgaaaagtt attgtcgctt gaattttctc 180
 agagcttcta ttttcaatta cgagcgtctc gatatattac gggactcaat cggacattcg 240
 agtaaaaagt tattgtcggt tgaattttct cagagcttct gttttcaatt acgagcgtcc 300
 tgatatatta cgggactcaa tcggacatcc gaggcaaaag ttattgtcgg ttgaatatgc 360
 tctgagcttc tgttttcaat tacgagcgtc tcgatatatt acggga 406

<210> 9329
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9329

agcttataat atatcgatac gctctaaata tttatcgaca acncncggga aaggcagaga 60
 gtcataacaa tncacacgga cgcccgacnc gggcgcanaa nanggcgaga ggagcgaaaag 120
 cgaacaacgg aagcccngga gaaacccaac ggggagaacc caacacacgg agggccgaac 180
 caggcgggag acagaacgag acacacaaaa ggggaacagcg gaagcccccg agaaacacaa 240
 aggggcataa cacncaaccc gaaagaccaa gnnaggcgca tcacatatag tgacactcga 300
 aattgaacaa cggaagctct cgtgaaattc aaatgggtcat aacttttcac actgagggtcc 360
 gattcaagtg tataatgcat cgatacactc ggaagtaaac atcggaagca ctcg 414

<210> 9330
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 9330

gcttcggttg ctcatgact tcaaattgct gcagagaagg acatacatct gtatgggtgat 60
 ctgcagaaga acatagacca cagagtcttg caacagggtgc agatttctga ttcattggcaa 120
 gctgagttac taggttgacc aaggcatcaa gttttccctc aagattttta ttttcagtag 180
 atgaagatga atccattgcc acctcatgga ctccctctaag gacaataggg atgcaatcct 240
 accccgcaaa ggcattggat agaagactcc aagtagattg ggccagagat ccaagggaag 300
 gccctagggt tctcatgagc cttaggatag atttttgagc ccatgggtca aggtatgatc 360
 cactcttctt tgtaaaaatt agaatagggt tttccttctt ttgggccttg tattttgaca 420
 attctagtag tatagggttt tagccttgta tttcagggca ttttgagtag tctttgtagt 480
 aaagacttct tttgtattt 499

<210> 9331
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 9331

agcttgtaat cgattacaca gtaaggaatt tttcaaaata actccaaga gtcacaactg 60
ttcaggaagt ttttgaatgg ccatcaaagg cctttaaaga cttgggatac gaaattcctt 120
agaggttttc tgaataacat tttcttatcc tctcaaaacc aaattgtctt atcattctca 180
aaatattcct tgggtcaaaac acttgcaa atcaataagga atcttgatcg atcttcaatt 240
gtaatatcct tctcttaaag agagaaaatt cttcttcttc ttattcaaac agatctgtat 300
aagagaccga gagtctcttc agttgtaagg atatttgaac acaaggaaag ggtgtccctg 360
tgtggttcaa agtttgtaaa aagctttcta caagatagtg gaaatctcaa gcgggttgct 420
tatggactgg a 431

<210> 9332

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9332

agcttgatga ttgcctatgg gcatttggtt tcttccttca aaacacccat tggcatctcc 60
ttgtttcaaa tgggtgatgg aaaagcttgt cacctaccag tggagttaga aataaaagct 120
cattagacca tgaagttcct caactttgac ttacaacat ccaaagagaa gaggaaggta 180
caactacagg aacttgaaga gattctctc aatgcatatg aatcatccaa gctctacaaa 240
gaaagaacca agagatacca tgacaaaaag atcctccata gagtattcag gcccgaaaca 300
caagtattgc tctacaactc aggattaaag ttatttcatg gaaaattaaa atatagatgg 360
agtggtcctt atactgtcaa agacgttaag ccttatggag ctatagagat agaggatgtg 420
acaccttcta cccctcacat atatatntat aaaggaataa aaatttcaat attaattaaa 480
aggtttttta aaacattttt 500

<210> 9333

<211> 298

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9333

tccattttca gttgcgacca tctcgagata ttanttgatt tatccggaca tccatgtata 60
aagttattgt caatgtgaat atactcaggg cttcagatct taattttgag cgtctcgata 120
tattacagga ctcatcaga catccgagtg aaaagttatt gactgttgaa tttgatgcta 180
gctccctgct gcaattggga gcatctatcg cataattatg acactttgtc gggcaatccg 240
agacaaagct atagtcggta gaatgatata agagcattcg tctacaatat ggagcgtc 298

<210> 9334
<211> 448
<212> DNA
<213> Glycine max

<400> 9334

ttttactctc aatatattat atatcactta ttactattct cttttatagg tgttaaaatg 60
gaattgaatt caacttgaaa ttataattta cactctaatt ctttacacaa ttatattaaa 120
tttactatta caactacaat tttaaattga aattcctact cccattttta atattttctaa 180
aaaccagttt tgggtgaaata gtaaagtgac tatttgcaac atagtcacat agtgctttat 240
ttaattctat ctttgatctc atcaagaccc tagaggccta gtgttggcac ttaaaaaatt 300
attatgaata gctgatgcaa atgcaagaa gctaaaagtt aatatattca aattttattt 360
tgaattatat aattgtatca ttatttaaag attatgatct aaagaaaaca ggggtcatct 420
gaagacagtg aacgattctc ttataatg 448

<210> 9335
<211> 534
<212> DNA
<213> Glycine max

<400> 9335

agcttgcttc tacaatctcc ccatttttgt tgatgactac ttctaaaatc aagaaacaca 60
cacacacaca cacacacaca cactttttct agtcgatgac tcacataaat ttccattctc 120
cccctttggt ttttgaattt atgcttgtct taaaattaag ttgattactc atgtgagtcc 180
ttgatttaat ccctatttct ctcccccttt ggcacaaaca aaaagccaaa atgcgtaaca 240
agtttgaagc atacaaatac aactaagcat gcatacaaca ttcattggaag aatataaacc 300
aatcatgaa gcaagaacca taaatagatc aaatatataa aaaccacatt gtcaaataac 360

ataattaata tttgttcaaa cataccatgc aaataaagaa atagtaaatt gttcaaatat 420
 cataataata tagccaaata cacggttgga aatcaaatta ctaataatat taaaataata 480
 gaaaactaag atgatggtgg cggcggtggt ggtagatcaa agcttgaatg aata 534

<210> 9336
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9336

ctgggcgtac cccaaggac catcaggaaa ttacttgtgt gngtagccat gagggtgggc 60
 tcatgggcca cgtttgggat agacaagacc cttgtcttac tcgaagaaaa gttctattgg 120
 ccccatatga agaaagaggt ccataagcat tgcactatgt gtgtggcttg tttacaagcc 180
 aagtctaggg tgatgcctca tgggctatac acacccttac ccattctatc tgcaccttgg 240
 gtagacatta gtatggactt tgtccttggg ctgcctagaa cccaaggagg tggagactct 300
 atctttgtag aggaggatat gtggagcaag atggcacact gtataccatg ccacaaggag 360
 gatgatgctt cccatatctc aaaacatttt tt 392

<210> 9337
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9337

agctttccac attgaattca gcacctaattg ttatantata tgggaattgg gtatcttaac 60
 ataagagatt tccgatggac tttaatccta atcccacagc cgaccttttt acgagatctc 120
 tacttaaccc tttgggttaaa tgatcggcc aattatgctg agttctcaca aactccactg 180
 atatcacacc atgcatgatt aactcccga ccatgttgtg tctaacaccc aagtgtctag 240
 acttccatt atacacttga ctatatgcct tagccaaagt tgcctgacta tcacacctga 300
 tagacatggg aggtataggt ttgggccaca atggaatctc atagattaga tttcttagcc 360
 actcagcttc tttaccagct gctgctaaag ctacaaattc agattccatt gctgaatatg 420
 gatgcaggtc tggttcttgg at 442

<210> 9338
 <211> 478
 <212> DNA
 <213> Glycine max

<400> 9338

tctaaacttt atacaagaat gaagctctga taccacttgt tgtacagtgg cctcagatat 60
 cttaagaagg gggggggtga attaagatat tacaaattat tttcccaatt aaaaattcta 120
 tttaactttc tattcaagtt atatatccc ttaataatga ttttcttaaa taatgattca 180
 aaagaacaat ttgaatatga atataaaaca ataataaata aaggagttaa agggaagaga 240
 aaatgcaaac tcagatttat actgggtcag caacaccctt gtgcctacgt ccagtcccca 300
 agcaaccgcg ttgagagttc cactatcttg tcaattcctt ttacaagttc taaacacaca 360
 aggacaatcc ttcctttgtg tttagaatcc tttcacaaca agagaccatc ggctctctaa 420
 tcccttttca gaataaagaa gaagagaaga agaaatctct cttgaaagag atagattg 478

<210> 9339
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9339

tgaatgttca gcaacaatcc ctgtcaacct atgagaaggt tttactagct gtggtgtttg 60
 ctgtacaaaa gtggagcatt acttattact caagacgttt gtaatcaaaa ctgatcacag 120
 aagtctcaag tatattcttg accagagact ttccacaact ttccaacaaa aatggtaggt 180
 aaaacttatg cagtttgatt tcattattga atataagcag ggaagtaaaa accaagctgc 240
 tgatgcactt tcaagagttg aatgtgctac tatttccact caccaaccgc attctgatct 300
 actagagaga atcaaatcaa aacatcttgg caaggtgatg atgccttaca aaaactgatt 360
 gttgaagtta cgaaagatcc ttcttcacat aaggatttct cttgggttagg tggagaacta 420
 aggaggaaaag gtgatgcaat cctacccgcg aagggcattg gatagaagac tccaagtaga 480
 tgggtgctaga gatccaaggg aaggccctag ggttctcatg agccttangg tagattgagc 540
 ccatgggcta agtatgagcc cgcttatctt t 571

<210> 9340
 <211> 617
 <212> DNA
 <213> Glycine max

<400> 9340

agcttccaac ttccaagagc acatttatta tctctcagat acatatctca cgtacaggcg 60
 tatcatcgat gtgaatctat tcctaaatta actaactagt aaggtgatac gagtaatttt 120
 tgttgccctt tgtttctttc tagttctaac acaacttcta tcatgtcaaa tttacgtagt 180
 attgattcac agtgtattta gaaacagtag aaaaagaagc actcatgttt aaaatgtaaa 240
 aattatagtt gattattagc ttcttaaaat tatatttaga tgtgaagcca aacatatact 300
 aaaaaaatg tagatttgct ttatatattta gtgagacca cattcagatt tttctaattt 360
 ttttatccat aaaaatcaat gatggatata attagactaa aaagttgatt aatattttct 420
 taaaaataa aaatttgaaa caatatttga gaaagaacta gaactatagt ccttaaagta 480
 ataaagtata tttttttttt atcactacac ctaagtactt attaaaatat ttgggcaaaa 540
 taccatatta atataggttg taagcgaaaa tagtttaaat ttaattttgt taaattaatt 600
 taatatatgg ataatta 617

<210> 9341
 <211> 523
 <212> DNA
 <213> Glycine max

<400> 9341

agcttgataa cccttcttga agagtatatt gatttctttg cgtggctcgca tcaagacatg 60
 cccggtctgt attctgacat tatgcagcat aagttgcctt tgaatcctgg gtcttctccg 120
 gctaagcaaa agctacgaag aatgaaaccc gatatgtctt taaaaattaa agaagaagta 180
 aggaagcagt ttgatgcagg attcttagct gtggcacggt acccgagtg ggtggccaac 240
 attgtcccag tcccgaaaaa ggacggcaag gttcgaatgt gtgtacacta ccgggacttg 300
 aaccgagcca gtcctaaaga caattttccc ctgccacaca ttgatatact cgtagataat 360
 atatccaaag tcaccctttt ctcatattat gatggcttct cggggataaa tcaaataaag 420
 atggcccccg aagatgtaga gaagaccact ctcgtcaccc tatggcggac attgtgctat 480
 agagtgatgg cccttgggct gaaaaatggt ggggcaccta atc 523

<210> 9342
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 9342

acctctctaa tagctagctc acctcctttt tatgagaagc tagagcttag ctacacacccc 60
 cctataatag ctaagctcac ccccatgaca aaaaacatga aaataccaaa aaaaagtcct 120
 tactacaaag actactcaaa atgcctcgaa atacaaggct aaaaccctat actactagaa 180
 tagccaaaat acaaggccca aacgaaggaa atacctattc taatatttac aaagataagc 240
 gggctcatat ttagcccatg ggctcgaaat ctaccctaag gctcatgaga accctagggc 300
 cttcccttgg atctctagcc aatctacttg gagtcttcta cccaatgcc ttgcggggta 360
 ggattgcac acctcctctc atggggtagc caagttgtct tatggtagg acatgattat 420
 aattaatata aacccttggt cacatcaagg gaacatttgg aaatccttcg catgaggata 480
 ga 482

<210> 9343
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9343

tgcaagcttg cacattactg ctttatagaa gattgcttgt aggtaagccg cggnaccatg 60
 acatgatgcg gtacatagag tgtaacgagt atccacaagg ggcttctggc aacgacaaga 120
 ggatgttgca gaggttgga actagtttct ttctaagtgg gggatatcatg atgtagctcc 180
 attggagctt gttggccttg gatcttcttc atcaatggag tcctttgctt cttgaatttt 240
 aatggcagca aaatggacaa gaagaagagt tgagaggaga caccacttca aggagaagat 300
 gagtctagaa taagctcacc atcatagaa ggcattgata agagcttcaa ggtacgagat 360
 gatgaatgga ggaacaggga gag 383

<210> 9344
 <211> 699
 <212> DNA

<213> Glycine max

<400> 9344

ttgcatctga caaagatgat agcaaattcc atttcaggat tttgttttca ctttaatggt 60
ggtgtagtaa gttggaaaag ttccaagcaa gctacgataa catattcaac tactgaagca 120
taatatatag tgacaagtga agccggtaaa gaagctgttt ggatgaaaag gttcatattt 180
gaacttggtg tgggttccttc aatagaagag tcgggtcccat tattgtgcga caataatggg 240
gctattgctc aagcaaagga accaagatca caccaaaagt ccaaacatat tttgcgaaaag 300
tatcacttga ttagagagat aaaagaacgt ggtgacgtta agattgaaaa ggtagatgga 360
aaggagaatg tagcagatct cttcatcaag gcgcttggca taaaagagtt tgacaagcac 420
aaatgggagt tatgattgaa gttcatgaat gattggctct aggaaagtgg gagatttgtg 480
ggaataaatt tgtatgccta tgatccaagt catcatgtga tcaattctaa ttttaataat 540
aaagtattat tttattttca tggcatatt tcactatatg attaaatggt gcatttgata 600
atgtccttgg ataaacatat agacttggta ttataataga aattatgata atgagaaaca 660
agtttgttct taatttaatc taaaccgttc ttgatcata 699

<210> 9345

<211> 606

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9345

gcatttaaca cacttgtagt gtaatacttt agtactttaa cacacttcta atgtgttcca 60
agcggttact aggatatcaa caaagtacac aattacaaat ttttcaataa attaaattat 120
ctgaaaacac ggttcatgag tctcatgaaa gtgctaagca tattgattaa gtcaaatcac 180
attactaacc actcataatc caaatactgt tttgtaaaac agtttgtttc tatttctata 240
caagctaaac ttcttaagca ctttaacaca tttctagtgt aatacttaaa cacttcaaca 300
cacttcta atgtgtctcagg tgattatcaa gatatcatca aaatacacia cggtgagttt 360
ttcaataaat tacctcaaaa catgattcat gagtctcatg anagtgctaa atatattggt 420
taaatacaat cacattacta atcacgcgta atccaaatac tgtcttgtaa aacagttttt 480
cactcatcac tttctcta atcaatttgg tggtagtcac aaaagtgatg catcaaatcg 540

ataaatactt atactcttac gggttgaaag ttgaaagttt aatcaaagt taactttttt 600
 tttgga 606

<210> 9346
 <211> 560
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9346

agcttggnta tcgccttctt cactttatta gtatcaccgg gctgagtctt ctctgtggct 60
 gtcttactgg attagctcca tcctctaaat ttattcgatg catacatgtg gatgggctaa 120
 taccaggaat gtccgccagg gtccagccta tagccttctt atgcttcttg agcactgaca 180
 acaacttctc ctcttgctca tcagcaaggg aggcagatat aatcactgga aaactcttgc 240
 tatcatccaa gtaagcgtat tttaaatttg atggcagagg cttcaattct ggtgtggctg 300
 gctggacagt ggtagaagga gatggtttct cagccttgac ctcataaaga aagtcagagg 360
 tatgtgtact tcctgaaaca tggttagtcc tatctgactc tataaatcaa tctcaagagg 420
 taaaacacca ccaccaggca tgcaatcaat atcactctca gattcactct caacatcaaa 480
 ttcagacata tgatcaagtt ccattttcag actcaatgca ttgaagagtg agaggcatgc 540
 agattataat aaagatcagt 560

<210> 9347
 <211> 599
 <212> DNA
 <213> Glycine max

<400> 9347

tctaccaat ggaatttatg aaccgacatt tgaaagttaa ttgttctgta actaccaaga 60
 gatggggttt ctttctttat gcaatggcat ttattgtgg agaattcaca cgtgctagta 120
 atgaatgaca ccatgtatgt tgagaaacag ataaattctg acttacatat tctcttatgt 180
 tgctaaattg caactgtttt attgatttgt cgaactaaat ttgagtcata tggtagaagt 240
 attgaaaaag ttgcactacc tcagttttat ccttgataag aaatatccat gtcacatgag 300
 agcaatcatc aatgtaagaa ttaaaccata aataaaggcg ggtccccaca cactgcaatg 360

gacaagaggg aaagtctcaa cacctttatt attactactt ggaaaatttg tacctgataa 420
 tgggccggag agagcaagaa aatgatgact aactgcctat tatgcaatgt tgaggggagg 480
 gttgcatgaa agcttgtgga aggcgagatt ataactctag ggacccttac atttttgttt 540
 gtgcattttg tataaagatt atatgcccatt atattgtttg agatggggct taataacttg 599

<210> 9348
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9348

ctacaacatt caacttcgag catctcgata tattacgagt cnttantaga catccgagta 60
 aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaatttcga gcgtctcgat 120
 atattacggg actcaatcag acatccgact aaaaagttgt tgcgtttga attcactcag 180
 aggttcaaca ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacatccgag 240
 taaaaagtta ttgtcgtttg aatttgctca gagcatcaac attgaatttc gagcgtctcg 300
 atatgtgacg ggactgaatt agacatctga gtaaaaagtt attgtcgttt gaatttgctc 360
 agagcatcaa cattcaattt cgagcgtctc gatatatgac gggactcaat catacatccc 420
 agtaaaaa 428

<210> 9349
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9349

agctttgagc caattaagac gacaatatct ttttactcgg atgactgann gagncccgnc 60
 atatatcgag acgctcgaaa ttgactgttg atgctctgag caaattcaaa cgacaataat 120
 attttactcg gatgtttgat tgagtccgt aatatatcga gacgctcgaa attgaatggt 180
 gatgctctga gcaaattcaa acgacaataa ctttttactc ggatgtctga ttcagacccg 240
 tcacatattg agacgctcga aaatgaatgt tgaagctctc ggccacttca aacgacaaca 300
 acattttact cggatgtctg attgagtccc gtaacatata gagacgctcg aaattg 356

<210> 9350
 <211> 506
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9350

gaccgcggt gcagctatgt gatgtcaccg aaaaagttgg tatgtgncgg gcgaaaaact 60
 ncactaggtg tggtcagaca aaacagtcct agctaaaatt atcaatagat tatatgttta 120
 aactattaaa aattgaacaa tattgttttag ttaatagttt aaaattagat tgtgtttggt 180
 ttctatgaag cctaattatg aagtttcctc tattttaaatt ataaaattga aattttgcat 240
 atggagaaaa ttgaattgcc ttatccaaac aaagaattta aaattgaaga aatttgaatt 300
 gatttatcca aacaaagcat ttgaaaaatg aaggaaatta aaatcaaagc aattcaaatt 360
 ctaagcattt gaaatttcct aaaactttaa aattcctgat ccaaacacaa ggtaaaagta 420
 ttgccaaatg tcaaaatctt attgagtagg aggatttacg tgattatgga ggatataaca 480
 actctcttcc aaattttaat taagct 506

<210> 9351
 <211> 511
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9351

gccgatacag tagagctgac cgcattgcaat ctacaagttg catagcgcct ttgaatttcg 60
 tgatttgcca acaaaacctt aactcgcctc tgctataatc cttcgaattt gaaccggag 120
 ttaagtgtta tctgataccc gttgttgggg aaccgaagcg ggataaacat caaagagatt 180
 tacaccaatg ggccatgagc aatcatataa gtaaacttga caccacacct taaccacaaa 240
 ccttaagggt caagtttatg agttttttct tcaattatat ggtgttcaac cttctcattc 300
 ctacacaatg tgagacttca cctcacactt gtactccaac ataccgacat atgcattctt 360
 ataccaataa cttgcacttt agttaagtgt gccctcctaa ctaaaataat taccaactta 420
 aaataggcac aactctgtaa taataaatc agcttaaata ttatttataa catcataacc 480
 agcacaacga acaacaaatt gaaattacgg t 511

<210> 9352
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 9352

gctgcttgaa attgaacaac ggatgctatc cagaaactca aagggttatt acttatcaca 60
 cggagggtccg agtgaggcgc ataatatatc gagatgctcg aaattaaact acgaatactc 120
 tctagaaatt caaatggctc taacttgtca cacggaagtt cgattcaggc gcattatata 180
 tctgagacgct cgaaattgaa aatcgggaagc tctcgagaaa ttcaaattgt cgtaactttt 240
 caaacggaag tccgatttag gcgcataata tatcgagaag gttgaaattg aacgacgact 300
 gctctcgaga aattttaaact ggtcataact gttcaaacgg aagtccgatt caggcgctta 360
 atatatcgac acgcttgaag 380

<210> 9353
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9353

agcttgtcgt cacggagata nccgactttg cttttgngng gnggaacaag ccacgaaagg 60
 agagagcaag aaangaagag ccaatggngg acacatggac agagatgaaa aagatcatga 120
 ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaaactaa 180
 cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggtaacta tggctcgatt tcttaattgt ttgactaatg 300
 atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcccaaag 360
 caatccaagt ggagcaacaa ttaaaaagga agggagtggc taagaagaag tttaccaact 420
 ttggttcttc tagttgaaa gaaaaggtaa gaaagatggg gctgctactt ctagaattcc 480
 acac 484

<210> 9354
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 9354

cgacactata aatctcagct cttatccagg ctcatcttgg tggatgaagct cctttttctt 60
ggcttattcc ctagtggatg gcgcctccct tctctcttcc tcctttgcct tccgctgeat 120
ctccatggtg aaaaatcacc attgaaggac ctcatgaag ctcaaagatc cagcctccat 180
agaagctcca caagcaagct tccatcagtt atgaccattt gaatttttctg agagcttccg 240
ttgttcaatt tcgagcgtca cgatatatta tgaccccgaa tcggacatcc gtgtgaaaag 300
ttatgaccat ttgaatgtct cgagagcctc cgttgttcaa tatagagcgc ctcgatatat 360
tatgcgccta aatcgcacat ccgactcaaa ggttatgacc atttgaatat ctcgagggca 420
tccaaatttt aatttcgaag gtctcgatat attatgtctc aaaataggac atctatttga 480
aaacatacgc ccctttaaat gtatcgaga 509

<210> 9355

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9355

agcttgaaat ataacaatgg aagcttcgtg natthttcaa tggncctatc ttctcaaacg 60
gatgtttgat ttggacacat aatatatcga gacgctagaa attgaacgat tgaacctctc 120
gagaaattca attggtcata acgtttcaca cggatgtccg attcggggcg attatatatc 180
gtgacgttcg aaattgaaca atggaacctc ttgagatatt taaatgggtca taactattca 240
cacgaatgtc cgattcaggg acttaatata tcgagacgtt cgaaattcaa gaacggaacc 300
tctcgtgaaa ttcatatggg aataactttt cacatggatg tccgattcag gcggataata 360
tattgtgacg ctcgaaatat aacaacggaa cttttcgaga aattcaaattg gtcctatctt 420
ctcgaatgta caattctggg acataatata tcgagacgc 459

<210> 9356

<211> 284

<212> DNA

<213> Glycine max

<400> 9356

agcttgtagg gttaaagtct cacgaatttc acgtgctgat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgcttttct 120
tccatgctat atgtagcaaa gtcattgatt cagtcaagtt tgatgagttg gaaaatgagg 180
ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tatgcatctg gtcagagaaa tcaaatgttg tggg 284

<210> 9357
<211> 585
<212> DNA
<213> Glycine max

<400> 9357

tcaaccaagg ggagatggac catttcaagt gcttgtatta ttataacaa tgcttacaaa 60
ggtagagctgc ccggtgagta taatgttagt tccaccttca atgtctctga tttatctctt 120
tttgatgcag atggagaatt cgatttgagg acaaatcctt ctcaagaggg agagaatgat 180
gaggacatgt tcaagagcaa gggcaaggat ccacttgaag gacttgtagg acctatgaca 240
agggctagag caaggaaagc caaggaagct ctccaacaag tgctgtgcat actatttgaa 300
tacaagccca agtttcaagg agaaaagtcc aaggttgtga gttgtatcat ggcccaaagt 360
gaggaggact aaatgacacc actttgtctc acttttagag tgattagttt gtctaaataa 420
tggcccaatc cttgtaaaga tggctaacca aaaatatgtt ttgggttaat caactaaaag 480
ggctttaatt atgttttagt caaagtgtaa taagggccca attggcaacc tatgcatcag 540
ccttttttga gaccaaagg tggctgactt gttggatgtt ggggg 585

<210> 9358
<211> 586
<212> DNA
<213> Glycine max

<400> 9358

tcctagaatc aagatcaaga ttcaagaatc aagagattat ttaatcaaga taagtatgaa 60
aaagtttttt caaaaactga gtagcacatg gatttttctc aaaatctgtt taccaaagag 120
tttttactct ctggtaatcg attaccagat tattgtaatc gattaccagt agcaaaatgg 180
ttttcaaaaa gctttcgact gaatttacia cgttccaatt gatttcaaaa agttgtaatc 240

gattacaatg ttttggtaat cgattaccag tatgcttgaa cgttgaaatt caaattcaat 300
 tgtgaagagt cacattcttt cacaaaaaaa gctttgtgta atcgattaca ctgatttggt 360
 aatcgattac cagtgaaggt ttctgaacaa atcaaaagat gtaacccttc aaatagtttt 420
 ttgactcttt taaattgggt ttaagtttgt ctaaaagtca taactcttct aatggttctc 480
 ttgaccagac atgaaaaatc tataaaaagca aggctttggt ttgcatttca catctatccc 540
 atcaatcaat ctatacatctt tatcttttcc aaatcattct ttacac 586

<210> 9359
 <211> 566
 <212> DNA
 <213> Glycine max
 <400> 9359

ctccgcttga aactgttaag aaggttcgct ttcaaacctt tggtgttggt caacataaac 60
 ttcctcttag attaagccat ttagaaatgt gttttttaca tccatttgat atagcttcat 120
 attgctataa gcttcaaagt aaagtaagat gtgtattgcc tctaaatgag ctacaggtgc 180
 ataagtttct ttgtagtcta ttccttcttg ttgtgagtat tcttttagcaa ctaaccttgc 240
 tttgtttttc acaacctttc aattttcatt cagtttggtt tgaaagactc atttctctcc 300
 aatagctttc tttctttttg gaaattcgac tgactttcaa acatcattcc tctgaaactg 360
 atcaagctac ttttgcattg ctttaaccca attgtcatcc tgcattacat catcaatgtg 420
 tttgggtttc atttttagaaa tcaatgcaat aggtccttat gttctgagtg atgatcttgt 480
 ttgaacatga tcaactatat caccaataat ttgacttttt tggaggattt cttctcatga 540
 tgcattccagt gggttctctt acctct 566

<210> 9360
 <211> 534
 <212> DNA
 <213> Glycine max
 <400> 9360

tgccttgccc cttgatatat ttgagggact catgggtttt attaatgaca aattccttgg 60
 gataaaggta gtgttgccat gttttcaaag cacgtactaa ggcatacaac tccttatcat 120
 aagttgaata gttaagggtg ggaccactta acttttctact aaaataagca attggatggc 180

cttcttgcac caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
 atttttgaaa gtttggcaat gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
 tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360
 tgagaggtgc tgccaatgtg ctaaaatcct teacaaatcg tctataaaaa cttgctaagc 420
 catgaaaact cctcacctcg gtcacagact taggtgtagg ccattcttga ataactactaa 480
 acctcttctc atccacttgc actccttttg aactcccaac aaaccctgaa acac 534

<210> 9361
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 9361

agcttaagct ccttcaactg ttaaggtgct taatatttga agagtatcct tgcggaacct 60
 tcacccgacg aatacactga caaaaactta tcttctcctt tttggacaaa gtatggcaag 120
 ctaggggcaa gttaaattttc ttcccatcag acattggatg caactgtgat cgtatcccca 180
 tataagctag atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaagga 240
 gcgccccaat cacactgaca caaacatttt tctacacatg cataacatca ctaccatgtc 300
 taacgtctag atcaaaccag cacagaagaa ctacgaatat ggacctcttc ttccatatgc 360
 aagacttact t 371

<210> 9362
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 9362

cagcctatgc cgcaaacaac ttctactttt tttctcaaac tcaatagaaa aaacggccgc 60
 cacaaaacgc ttatgacctc tccaacaaca ggtacaaccc cgggtagagg aaacatccca 120
 accttaaagt ggtgagttct tcccaatagc cacaacgacc ccaggcctat ttttataatg 180
 ctgatggccc aagcagacca ta 202

<210> 9363
 <211> 449
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9363

ngccttgccc ctcgatatta ttgagggact catggttact attaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cacgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtta ggaccactta acttttctact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
atttttgaaa gtttggaat gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcatttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaagc 420
catgaaaact cctcacctcg gtcacagac 449

<210> 9364

<211> 295

<212> DNA

<213> Glycine max

<400> 9364

aaattattca atcctacccc gcaagggcat tggctagaag actccaagta gattgggcta 60
taaatccaag gaaaggccct aaggttctca tgagccttaa ggtagatttc gagcccatgg 120
gctaagtatg agcccgttta tctttgtaaa tattaataa agttattcct tcgtctaggc 180
cttgatatttt ggccattcta gtagtataag gttttaacct tgtatttcgg ggcattttga 240
actgtgtttg aaataaagac tctttttttg tattttcatg tttttgtca tgggg 295

<210> 9365

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9365

tgggcctttca ctatgtgttg aaatgagtga gccaaacttg aattgagttg aacacataag 60
gcttgagttt gactaattat ctctaattag cttaactttg gcatacataa cagtctagct 120
tggcgagtct aattaaaagc ttgcttaaag acgtctttga tcaattaatt attttaaaat 180

ctagtgaat actaactaaa aaaaagaaac ttattaaatt taatatgagt aatgtacaaa 240
 tccaaaaata attgataaac aaatcatat tgaattcaag tcgttttaaata accaagaata 300
 taataaaaat gaaanaaaga gagcatatta ttaaaaaata cttacaaaga ca 352

<210> 9366
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9366

ngacccttat gagtaagctt ggccaaaggt aaagctatct tacaaaaacc ttctatgaac 60
 ctacgatagt aacctgttaa accaaggaaa ctctaatct caaacactta cttaggactc 120
 ttccaactta tcacttcttc taccttaaaa ggatctactg atatccctcc cttggatata 180
 acgtggccta gaaagctcac ctcttctagc caaaaactca ctttggaca acttagcata 240
 caattcggtg tccttgacaa ttgcaacac aaccttaga tgctctcat gttcctccct 300
 agtcttgga tacaccaaga tatcatccat gaagaccacc aaaaaactat ctaggtaggg 360
 atgaaagatc ctattcatgt agttcatgaa cactgacg atgttggtca caccaaaaagg 420
 cataaccaag tactcataat ggctg 445

<210> 9367
 <211> 389
 <212> DNA
 <213> Glycine max
 <400> 9367

ggcttctgca caaggggtcaa tggtagctag acacatgatg ctctacacac atgactggtc 60
 acaaagactg gttcgtgtgt ctagatgaaa gaatgaaaag caaagtgaga tttgtaaatg 120
 acagcactat gcttgctgaa ggaattggaa atgtctgat tcataggaaa gatggtagag 180
 aaacttgcat agaggatgta ctttatgttc caagcataag cagcaatctt ctaagccttg 240
 gtcagttact tcagaaaggc tttaagataa ctatgaagga catgatgatg ctggatatatg 300
 acaaaaccag aaatctaata ataaaaacac cattgaccga aaatagaact ttcaagggtg 360
 gaacgcaagc acttgagcat gaatgtctt 389

<210> 9368
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 9368

tcctccacat gagtttattg cccgaaggct tgaaattatt cagatatect cattttctgt 60
 tttagaagggt gctgggagaa ccctcaaagg tagggatctt atcaaagtga ggaatgttgt 120
 actcccaaaa attggtttcc tcgaaacact ataaaggggt ctcttgagta gtgatgtatc 180
 tttatggtaa aacataatca attaatTTTT catggtgaag gtaaaaacaa aaaatagttg 240
 cttctacttt tttatgggtat cacctaattt tatgcatag aattgattct tatgtgtcat 300
 ccaaacatga tagtagctct tttacatttg ggatgtataa tagggtttgt agttagaggt 360
 tatttaagaa tggatgttgt gttcatatg 389

<210> 9369
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9369

ctagtacgcg taaagtctca cgattgtcac ttgctcatgc aacaattttt agccttggct 60
 atacgagaca tctngccaaa caaagttagg ttagcgataa ctgcgatgtg ctttttctat 120
 catgctatat gtagcaaagt cattgatcct atcaagtatg atgaagtgga aaatgaggcc 180
 gcaattatac tgtgccagtt ggagatgtat tttccccctg ctttatttga catcatgatt 240
 cacttgattg tgtatctggc cagagaaatc acatgctgtg gtcctattta tctacggtgg 300
 atgtacccgg ttgagcgata catgaagatc ttaaagggtg tacaagaatc tattagccag 360
 aagcattatt 370

<210> 9370
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9370

agcttatttt gagacccatg aatngattgt ctaacgcatg tcatgcgtcc ttcaccatcg 60

agtctaaagc cccatggatt gattgtctaa cgttgttcgt ctatcctcca ccctcanatc 120
 ttattcggag acccatgaat tgattgccta gcgcagttca tgcgtcctca accatcaagt 180
 ctggagcccc acgaattgat tgcctagcgt tgttcattcta tcttccaccc tcaaatttta 240
 tttggagacc catgaattca ttgccctgct cggtttatgc gtcctacacc atcgagtctg 300
 gagccccacg aattgattgc ctacgcttgt accctatact ccacctcaaa tctaattctga 360
 gacctgaat tgatacctag cgctgttat 389

<210> 9371
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 9371

aacttagcat ctctatctaa cacaatggtc ctaggcaaac catgcggtct cacaacttcc 60
 ctaataaaga gttttgagat gtgggaagca tcatccacct tgtggcatgg tctaaagtgt 120
 gccatcttga taaacctatc caccaccaca aagatagagt ctacacctct ttgggatcta 180
 ggaagcccaa ggacaaagtc cataactaatg tctacccaac gtgcataagg gatgggtaag 240
 ggtgtgtata gcccattgagg catcacccta gacttggctt gtaaacaagc cacacaccta 300
 atgcaatgct tatggacatc tttctttata t 331

<210> 9372
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 9372

ttcttatcca aggtcatct tgggtggcgaa gtccttctt ccatggctta ttccctagt 60
 gatgggcgct cccttctcct cttctccttt gccttcgct gcattccat ggtgaaaaat 120
 caccattgaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc tccacaagca 180
 agcttccatc agttatgacc atttgaattt ttcgagagct tccgttggtc aatttcgagc 240
 gtcacgatat attatgaccc cgaatcggac atccgtgtga aaagttatga ccatttgaat 300
 ttctcgagag cctccgttgt tcaatttaga gcgcctcgat atattatgcg cctaaat 357

<210> 9373
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 9373

gctgcagctt gaaccaacat ggaagctgct taaattcaaa tggccttctt ctcgacggag 60
 tttgatttgg acacataata tatcgagacg ctagaaattg aacgattgaa cctctcgaga 120
 aattcaattg gtcataacgt ttcacacgga tgtccgattc gggcgcatta tatatcgtga 180
 cgttcgaaat tgaacaatgg aacctctcga gatattttaa tggtcataac tattcacacg 240
 aatgtccgat tcagggactt aatatatcga gacgttcgaa attcaagaac ggaacctctc 300
 gtgaaattca tatggtaata acttttcaca tggatgtccg attcacgcgg ataatatatc 360
 gtgacgctcg aaatataac 379

<210> 9374
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9374

ntaactcgga tgtccgattc aggcgcataa tatatttata cacttgatat tgaataacag 60
 aagctctcga gaaattcaaa tggtcataac ttttcacacg gatgtccgat tcgggcgcat 120
 aatatgtcga gacgctctaa attgaacaac tgaagctctc tagaaattct aatggtcatt 180
 acttttctact cagaggaccg attcaggcgc ataatatatt cagacgctcg atattgaaca 240
 acggaagctc ccgataaatt tatatgggct tacttttaac tcagaggtcc gattcatgcg 300
 cataatatat ctatacg 317

<210> 9375
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9375

ntgtctntgt tgttcacaat ctagaagcca tgtgtcttat ggctctntga taattcttta 60
 tggcatctgc ggctgggcca catgagtga aaagggttgc atattataag gtagcgaggt 120

tttcttgga atcacaaggt ggaagctctt cagctttgtg tggattgtgt ctatgggaag 180
tagcatcaaa cgacgttccc aaaagttgtg cacacaacaa aagccatgtt ggattacgtc 240
cattctaact actgggggct ttcaagagtt ccatcactat gaggagcaag gtatttcctt 300
tccatcatcg atgattactc taagatgaaa tgagtattca tgatgaagca aatatttgaa 360
gttttcaaac ttttctaaca ttgaagattc ttatgtagag tcagacaggt tagacaataa 420
agcatcttat gagtgacaat g 441

<210> 9376
<211> 425
<212> DNA
<213> Glycine max

<400> 9376

tatggatggt atgagttgtg atcacccct tgcaattaac aaaaagattg ctaattgact 60
ggcagtttaa aaatattaaa atattgctcc attttgttct tgttattctt tgagttccac 120
acaagatgga gattaagggt gactgatgat tgtgcttttc catctggagc ttattaatta 180
atgtattctc atctgctgtg tttttagga gatgttgaag ttttgaagga ccctgagaag 240
ccagataact ccctagccag aagattaact gcaattgaag gatatgaaat ggtttctatt 300
gattaaaagg atgaaccctt tattctgaga aggatcaatg ctgggtagtg actgaaaatg 360
aaaaatagaa aaccaacgta aaatctgctt acctttggta tccctacggg gatcattatg 420
cactt 425

<210> 9377
<211> 441
<212> DNA
<213> Glycine max

<400> 9377

taataaggcc atctatggtc ttaaaccatgc ccctatatcc tggtttgata aactcaaggt 60
gcacttctga agtttgaatg taagtcacgc aagtgtgatc cctctttatt tgtctactcc 120
aaggggtcct caacaacctt tatgcttgtt tatgtagatg atatcatcat aacagggat 180
aatccttcct taatcaagca actcatctct aagctaaata cttttttctt tcttaaagat 240
cttggttctc tagactatct cttgggaatt gaggtaaaac atcaatctga tggatctatt 300

gttctcactc aaggaagata cattatagac ttgctggcct aaactaatat gacagaagca 360
 aaacctatatt cttcacctat ggttactgga tgtaagctaa ctaatagtgg atctgatcca 420
 ctactgacat catatatgtt c 441

<210> 9378
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9378

gcttggagtt ccaaggccat tcgcttcttt tatttcagtc ttcttctggc ttcaattctt 60
 cagtgggctt tccttctgtg tccagcatct tgggatgttc ccagcctttg atgacagctt 120
 ttcaagggtc ttgctatcca agtgatcttg aggaaggcca ccaattcttg ctttccagta 180
 ttcataagtg gttccatcta ggaatggtgg tctagtcact ggtcctcctt ctttctccat 240
 gttcatcaga cattatctcc ctagaactca ctctgtgatt tcgagtgttg gctctgatac 300
 caatcgaaat tctgatacca ggggacagat gttctaccgg atgttacgac attacccttc 360
 agatcatgca aatatat 377

<210> 9379
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 9379

ctacattaag aatcacccggg ttgagtcttc tctgtggctg tcttactggc ttaactccat 60
 cctctaaatt tattcgatgc atacatgtgg atgggctaata accaggaatg tccgccaggg 120
 tccagcctat agccttttcta tgcttcttga gaactgacaa caacttctcc tcttgctcat 180
 cagcaaggga ggccgatatt atcactgaaa actcttgcta tcattcaagt aagcatatct 240
 taaatttgat ggcagaagct ttaattctgg tgtgggtccgc tgga 284

<210> 9380
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 9380

tctctgagaa aacttccttg agaagctaga gcttagctac acacaccct ctcataacta 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
acaccccta taatagctaa gtcaccccc atgacaaaat atatgaaaat acaaaaaaaaa 180
tctctactac aaagactact caaaatgcct cgaaatacaa ggctaaaacc ctatactact 240
agaatggcca aaatacaagg cccaaatgaa ggaaaaacct attctaatat ttacaaagat 300
aagcgggctc atacttagcc catgggctca aaatctaccc taaggctcat gagaacccta 360
gggccttccc ttggatctct agcctaactc acttgagctc ttctacccaa tgccttgcg 420
gggtaggatt gcatcaagcc acaactcagc a 451

<210> 9381
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9381

tectccacat gagtntattg cccgaaggct tgaaaggagt cagatatacct cattttctgt 60
tttagaagggt gctgggagaa ccctcaaagg tagggatctt agcaaagtga ggaatgttgt 120
actcccaaaa attggtttcc tcgaaacact ataaaggggt ctcttgagta gtgatgtatc 180
tttatggtaa aacataatca attaatTTTT catggtgaag gtaaaaacaa aaaatagttg 240
cttctacttt ttatatggat cacctaattn tatgcatag aattgattct tatgtgtcat 300
ccaaacatga tagtagctct ttacattng ngatgtataa tanggtttgt agttagaggt 360
tatttangaa tggatgttgt gttcatatgc ttgggggtata aa 402

<210> 9382
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9382

ntatgatgat gaaccaagca atattgggtga tgccgttagc cctagtgatt gattcaagac 60
ttcaagatca agcatcatga atgcaatcca atccaagatt caagattcaa gaaaagaaat 120
caagaagcaa caagtcaaga cttcatatag gataagtatt aaaagaattt tttaaaaacc 180

aaatagcata attttgtttt acaaaagaat tttgtcaaat tttctaaagt gaccagagtg 240
attactcttt gttaatcgat taccagttag cagtagtcga ttactagtaa ccagattggg 300
tttcaaaatg ttttcaaatg atgtgtaaca ttcaaaaatg attttcaaat agtgtaatcg 360
attacactat attagtaatc gattacaagt gaatcttaac gttggaattc aaatccaatg 420
gtgaagagtc acaacttttc ataaaaat 447

<210> 9383
<211> 342
<212> DNA
<213> Glycine max

<400> 9383

tcttagtttc agatgatgca gatgggtttg tagctacctc atgcactcct ctaatgacta 60
tggcatcatt tctggcgcta aactgctggg agttggaggc catcttctca attaaatttc 120
tggcttcagc aggagtcatg tctccaaggc ctccaccact ggcagcatct atcatacttc 180
tctccatatt actaagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
cactgagtta tctaatacct gagatatacct tcttgatggc tg 342

<210> 9384
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9384

tgaaattgaa caacggaagc tctctataca ttttaatggg cataacttnt cacttggagg 60
tacaattcac gcgcataata tatcgagacg ctcaaaattg aacaacgaaa gctctcgaga 120
cattcaaatg atcataactt ttcacatgga cgtcagattc aagcgcataa tatatcgaga 180
tgctctatat tgaacaatgg aagctctcga cacattcaaa tggtcataac ttttcactcg 240
gaggtccgat tcatgtgcat aatatatcga gacgctcgaa attgtacaat ggaagctctt 300
gagcaattca aatgggctat accttttcac ttcggatgcc cgattca 347

<210> 9385

<211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9385

ntaaagacca attaaaggaa ataggagtgt ggatgtgtat tacaaacaga tgaagatttc 60
 cttgattagg gctcaaattg aagagtctca tgaggccacc atggcaagg ttttgcattg 120
 tctctatagg gagatccaag acattgtata gttgcaccac tatgcctctt tggaggatct 180
 cattcatcaa gctatcaagg tggagcaaca attaaaggagg aagcaaaca acaagaagtc 240
 ctctatggc tttccaactt agaaagataa ggagacattc aagaaggagg gaagaccttc 300
 attcaaactt catgaaaaag gtgttgccct tggtaaaaaa ataattctaa cctactccc 360
 acttcttcaa aggcgagttc tattaatat 388

<210> 9386
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 9386

gacctctatt tatagcccac gcgtcacaga aaaatggagg gaatattgaa ttttctattt 60
 aaacttcact tgaattaaaa attgaattta tggggccaaa tttcggagcc aaaatttcac 120
 ttattatgat tgggaattt tagctatggc tcaaccact agtccaagat ctagtccaag 180
 attctccact aagtgtgctt aggtgtcata agacatgtaa agcatgaagt ttatgcacac 240
 agtgtgacta tatgatgtgg caatggagtg t 271

<210> 9387
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 9387

tgtagggtta aagtctcacg attgtcacgt gctcatgcaa caattgttag ccgtggctat 60
 acgagatatc ttgccaaaca aagtcaggtt agcgataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180
 aattatactg tgtcagttgg agatgtattt tccccctgct ttctttgaca tcatgattca 240

cttgattgtg catctggtaa gagaaatcaa atgtcgtggt cctgtctatc tacggtggat 300
 gtacccgatt gagcgataca tgaagatctt aaaaggggat acaaagaatc tatattgtcc 360
 agaagcatct attgttgaga ggtacattgc agaagaagcc tttgattttt gttaaatact 420

<210> 9388
 <211> 448
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9388

tatagaatat ataataagag aactatgact attgaagaat ctattcatgt ttccttttat 60
 gagtctaatt ctattcctcc aagaaaggat attttagatg atattgcaga atcttttagaa 120
 caaatgcata tttatggaca agattctaaa ggaaaaggaa gcaatgaaga tcctccagta 180
 gaagccaaat caaatgatga acttctgaga gaatggaaag cttcaagaga tcatccccctt 240
 gacaacatta ttggtgatat ctcaaaaggg gtaacaccta gacattctct taaagatnta 300
 tgcaataata tggcttttgt gtgtatgatt gaacctaaaa atntaagtga agccataata 360
 gatgatcatt ggatagtttc tatgcaagaa gaactaaatc agtttgagag aaataatgtg 420
 tgtgaactag tagagaaacc tgaaaact 448

<210> 9389
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 9389

tctcgatata ttatgcgcct gaatcagact tccgtttcaa aagttatgac catatgaatt 60
 tctcgatata ttatgcgcct taatcggact ttcgtgtgac aagttatgtc catttgaatt 120
 tctcgatagc attcgttggt caatttcgag cgtctcgata tattatgcgc ctgaatcgga 180
 cttccgtgtg acaagttatg accatttgaa tttttcgaga gcatccgttg ttagatttcg 240
 agtttctcga tatattatgc gcctgaatcg gacatccgtg tgacaagtta tggccatatg 300
 aatctctcca gagcatccgt tgctcaattt cgagcgtctc gatataatct gcgcgttaat 360
 cgaacttccg tgtgacaagt tatgac 386

<210> 9390
 <211> 202
 <212> DNA
 <213> Glycine max

<400> 9390

agctttctcta tatattatgt gcctgaattt gacttgcgtt tgaaaaatta ttaccatttg 60
 aattttctcca gagctttggc tgttcatttc gagtgtctcg atatattatg cgctgaatc 120
 ggacttttgt gtgacaagtt atgaacattc gaatttctcg agacctttct gttttcaagt 180
 tagagcgctc taatatgtga tg 202

<210> 9391
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9391

cgtttccctat cctatcggtc cactgcactt tcctttttct attatgtctt atctgatttc 60
 cgtgcaattc ctctttttcg cactggcaac aaagaattgg aatcactctc atcttctcta 120
 ttgctatgat cttcaacctt tctgccctct aaagaagcca ctgtcagagt cacagtcaca 180
 gccataggct tgtttatgca gccattagta tccttggttg actttntagt atccatcaat 240
 aataacaaca ctctttatgc tctctctctc tctctctggt acgttttccg tggcagaccg 300
 aagtagaaaa aacgaaaatt cacggaaatt aatgaactgg aagaatacca tttgacccat 360
 tgacctgaaa atcacagcgc aag 383

<210> 9392
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9392

tgctcttcac ggcaaacatg atagcactgg catgttctgc agcattttct acaattggaa 60
 gcaagatgac agaaataaaa gccactgaca tattcaatga ctcagatgct ccctgcaaga 120
 gaccagaaac acaatgtcaa tgaatgaact tatgatgcag aatttatgga taataggaat 180

attgtgaatg tatgaataca gagttttgat gatgtcaaag taaaatcaaa caaggttggt 240
tcaacaaaca ttattgcttt aagattaatt caagggtcaaa caaataagat caagaaaaag 300
ataagggtctc aaataatctc actgggtgat ngatttttgc cttaaaacaa attgtttcca 360
agagatcaaa ggctctagta ttcgattact aggcaatgta atcgattacc aggagacaag 420
tttaccaa at caacttttaa aaa 443

<210> 9393
<211> 388
<212> DNA
<213> Glycine max

<400> 9393

agctttgatt tcttggaaact gtcctcact ctcatcaaca agaccagcgg agcagtatac 60
gcttaacacc acttcaagtg tcagctcatt aggttcacaa tttgcttttt ccatttcaac 120
ataagat ttt acagcctctt catactgacc ttcttgcccta aaagctttga tcacaccatt 180
gaatgaatgc acatcccggt ttaaaccaga ctcatcctc ctggataaaa ttgcttctgc 240
ttctttgtac agtccccccc ttgcaa atgcaatgaat gaattgtagg tctcaacagt 300
tggtgtgctt ccaacttcat tcatagtgtt aaacacaaca agagcctctt catacagtgc 360
agcctgcccc aacgctcctc acccagta 388

<210> 9394
<211> 360
<212> DNA
<213> Glycine max

<400> 9394

tgacagggttc aggtgcaggt gctgctactg gtggaggcac ttgaatttgg ttgccagacc 60
tcaagggtgat ggactcaca tttttcggat tctgcacagt ttgtgaaggc aatttgtcag 120
aattctggga ctgagcttgg ttcactctgag tagccatctg ccccatctga tttgtcagac 180
tctgaataga agctcttgct tcttgctgaa attgcatatt ctggatgggc atttgcctca 240
ctaactcttc taaggaagggt tgaggagggg ccttagttgc ttgttgtctt tgttgttgtt 300
gctactgctg ctactgtaat ggaggaagaa catatggctt gcttggacca gcaacatttt 360

<210> 9395

<211> 425
 <212> DNA
 <213> Glycine max

<400> 9395

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gtgggagggtc tggacttgac atccgaactg acattcatgg ctgattctgt ctgcctcgag 60
cttcagagtg ggaatgccag catcagcact tatgatgcgg atgaattggg cgtctgagtg 120
aagcggatgg ccatacgagt gatgccatat cttgactgca tcattctttg aggatagaca 180
tgtggtggag ctgctgggga catggggtgt acatagggtg gaagtgtaca ttgatctggt 240
gccctcaagt agaacttcac tcttctcatt atgtaccgag cctgctgact acgtgaaggt 300
gacatggtat gcttcatgac acagctgaca gatgctgatg aagattgcag acagacccta 360
taccaacagg gcttggatca gactacgaag tocatcatga gcgtgctttg ccattgcaat 420
gacct 425
```

<210> 9396
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 9396

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agctttccat tttatagcta cagaatgtta atgatgtcat ggatgcaatt caagccaacc 60
taaagaaaaa agaacagatt gaggagcttg tcttggagtg ggataatgac ccacaagatt 120
cgcaaattgc caaagatgta cttcaaaaact tgcaaccatc aacaaattaa agaaactcaa 180
cattagatcc tatggcggca caatctttcc aaaatgggta agtgattctt caaattccaa 240
tggtataacc cttgtcatca ctgattggaa ttattggttg tcactttcac catttggtca 300
attaccttct ctttaaggagc ttgtcattat gaggatgcac atggtgaatg gtatagggtca 360
tgaaatctac t 371
```

<210> 9397
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9397

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nttaagaaga caatttccaa tcatgctatc ctatgcaatg actattaaca agtctcaagg 60
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ccaatcactt tctatagttg aactttaatg gccaaaacca gtttttagcc atggacaatt 120
 atacgttgca ttatcaaggg tcaattcaag gcaaggatta aaagttctta ttcattgataa 180
 agagcaaaaa aatatgactt ctactactaa tgtagtcttc aaagagggtt tcaaaaatct 240
 tacaaggtaa ctctaaattt tcaaacaaca aattgtacta tctattgaca acaattccta 300
 actgttatct tactcttata cattctaaca tacagccaaa gatgatatca tatattacaa 360
 tgttaaattt tacattgtca ggtatgtaat cttaatcacc acattaatat catccattta 420
 taatttca 428

<210> 9398
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9398

ngctcgtctt gctgatattt atcatgcaca cttttcttat gatgacctac gaacaattag 60
 ggatcaactt gaaacttatg tgcttcaagt gagaagaaat gcttcttttt ccacttgtga 120
 agatgttcaa agtttggcta tgaagatggt tcagactgag aaacatttgg tatttccatt 180
 ggtttataaaa cttattgagc tagctntgat attgccggtg tcgacagcat ccgttgaaag 240
 agcttttttca tcaatgaaga ttatcaagtc taaattgcgc aataagatca acgatgtgtg 300
 gttcaatgac ttgactggat gttacaccga gcggcacata tt 342

<210> 9399
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9399

ggcttgtaag catcgtccca taggaatggt tcaatttttc ttagtagcat gtaaaatggc 60
 tttgcctttt ttgcgagctt cgggaggaac ttggacaaag acgctagtct accatttagc 120
 tnttgaactt ctctgatgtt agtaaggcta tgtatttcta gtattgcagt acattgtca 180
 aggttagctt cgattcccca gtaggtgatc atgaagccca aaaaaatttt gtcgctgatc 240
 ccaaagggtgc acttctcaag attgagatgc atgtcatact tgctagtctc tccgaacact 300

tccttcaaat ctgctacatg ttaagctatg ctgtgagact tgacaacccat gtcacccaca 360
tagactttga catttctgcc tattnttcat ttgaagaccc agtccatgag ccttttgtat 420
gtagctttct cattc 435

<210> 9400
<211> 229
<212> DNA
<213> Glycine max

<400> 9400

tctcttagat ctttaagtgc agattttcag gaatatgatt gatctcatcc agcgcaagtt 60
gttgacagccc agatacgcac actgctatat aaacatgaat gctgcacgag ttttccacca 120
agtccgggat tgaagagtta ttttgtgagt tttgggactt gagtgttttg tgagccacct 180
tgatgttacc ctaacatcaa gcgttgacc tgagtgtgtt gatttgatc 229

<210> 9401
<211> 342
<212> DNA
<213> Glycine max

<400> 9401

agcttcttag tttcagatga tgcagatggg tttgtagcta cctcatgcac tcctctaattg 60
actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ttctgaaatc 240
tgatgggtggg ggcaactggc acatagtttc ttaaattctt cccagtactc atacaggctc 300
tctccactga gttgtcaaatt acctgagata tccttcctga tg 342

<210> 9402
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9402

nttccattct gcagtagcag atctgtaaac tttgaatttc cctatgaatt tagttactcg 60

cataaagtct attgttattc ctcaaccaag gttctcccca cgcacagaga ttagcaccag 120
 acccagttga cegtctcagc tcttccttca acaatatttg agaagcgtag atgctacacc 180
 acacatagga tggaatgtga cctacaacaa cgtccaaaaa atccctccta gggaaatatt 240
 tatctttgaa aatcctagaa accatagttt tgggtgttga tagaaacatc cagccttggt 300
 tccccaacat tgccaaatta aagccacaaa agtctcaaaa tctatgcca ttctttctta 360
 ataacggtta atctttccca agttggaata actgagaatc tagaaggggg ttgaatagat 420
 tctttttaat gttta 435

<210> 9403
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9403

ctaagctatg ctgcnacatt acaacaaacc tctccacct catcatcaaa atcaaccaca 60
 gcagaacaat tatgacctct ccagcaacag atacaatctc ggatggagga atcaccctaa 120
 tctcagatgg tctagccctc aacagcaaca acaacagcct gctccttct tccaaaatgt 180
 tgttgggtcca agtagaccat acgttcctcc tccaatacaa caacaacaac aacaacaaca 240
 gcccagaaa caacaaacag ttgaggcccc tccgcaacct tcccttgaag aacttgtgag 300
 gcaaagtact atgcaaaaca tgcagtttca acaagagacc agagccttca ttcagagctt 360
 aactaatcag atgggacaat nggctacaca gttaaataca caactgtccc agaattctga 420
 cagattacct tctcaatctg tc 442

<210> 9404
 <211> 341
 <212> DNA
 <213> Glycine max
 <400> 9404

agcttcccag atccgatcat ggaagggctt gggtttctgcc ttcattaggc agtaccagta 60
 caatacggac atgggtcccg atcggaacca gcttcagggt atgactaaac gagagcatga 120
 gtccattaag gaatatgccc agagatggag agatctcgca gcccaagtcg taccgcccac 180
 gacggaaagg gagatgatca caattatggt agatacgtta cccacgttct actatgaaaa 240

gctgataggc tatatgccag ctaactttgc ggatctcggtt ttcgccggag aaaggattga 300
 ttccgggcta cgaaaaggca agtttgatta tgctgccctt a 341

<210> 9405
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 9405

tgagatggaa gacaaccctt ccttgtaatt gtgtgggttta ttataatatt taataatttt 60
 atcactactag aattaaaatt ttatattata gtaattatat ttaaaaaaaaa ttataatatt 120
 ttaaaattat ttgatatatc atttttgtaa atcaaaataa atgtaataata aatttttttaa 180
 atatataaaa atgagtttca ttcaataatc tttttaattt tgttcaattc attaaaactt 240
 ggacaaaata attaacttat ataattataa ttcaatgtta gatcaataaa ataataattct 300
 atataaattt attactata aaaaaagtaa ttattagtgt aatatactgt cttgtgttat 360
 gtagttaaaa gaaagtataa taataaagtt gattttcttct catttatcgc agaaagag 418

<210> 9406
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9406

agcttgattt ccttttgtcc ggaaaccttt cttttctcat gtgcacccaa acccaatctc 60
 cgggttcgaa gacaaccttc tntctccctt tgttggttg gtttagcatag nctttattct 120
 tcctctcaat ttgatctttg actctctcat gaagcttctt cacatagtcc gcctttgctt 180
 gaccttcttt atgcttaaaa acagaaacat tatgcatagg caaaagatca agaggagtta 240
 gtgggttaaaa accataaaca acttcaaaag gagaacaatt agtgggtgcta tgaacagctc 300
 tattgtaagc anattcaaca 320

<210> 9407
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9407

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agctttgaat gcactattca atggagttga caagtacatc ttcagactga tcaacacttg   60
cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt  120
gaagatttcc agattgcaac tcttggtctac aaaattcgaa aatctgaaga tgaaggagga  180
agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt  240
gggagagagg ataacagatg anaagctggt gagaaagatc ctcagatcct tgcctaagag  300
aattgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga  360
tgaactca                                     368

```

<210> 9408
<211> 433
<212> DNA
<213> Glycine max

```

<400>        9408

tgcactaaag aatgctaata tagatttgca aaataattta ataactgaca tagtgatagg   60
aaatcgaata aatagaatga gaatagaaat ggatagaata gaagtgagga gtacacttag  120
taataaagga tgtgggattg aaacgtggga aaaataagat gcataatgag atatttataa  180
tgtattatta attaaactaa ctagctaggc aatgataaaa aaagaaaatc acattgaagt  240
ataaacgata gagacaataa agaaatacaa taaaataaag agctattcac taatatgtat  300
aattatTTTT atttttttat ttctttttct ttatttttct ttgttttctt ttttttgttt  360
tttgtttttg tttctttttg gcttttttgt caaagtcaaa ggattgactc tgacttaatc  420
aacactgtta gac                                     433

```

<210> 9409
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9409

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tgtaatcgat tacacacaaa ctgtaatcga ttaccatagc atattttcag aaaatattct   60
caacagtcac atcttttttat ttgggttcttg aatggctatc aaaggcctat atatatgtga  120

```

cttgagacac gaatttgaaa agagttttcc agaacaaaaa ggtcttatcc tcttaaaaag 180
caaaatcgat ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300
ttctttattc tgaaaaggga taaagagatc gagggctctt tgttgtgaaa gaatttctaaa 360
cacaaacgaa ggattgtcct tgtgtgttta gaactngtaa aacgaattta caagatagtg 420
gaactctc 428

<210> 9410
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9410

agcttgaaat gttagccaac gaattgtatc aatataggtc ttgagtcata agcgattctt 60
ggcaacttgt tctgaacttt gcacatttat gatgttcttc atgtgctttg actgattcaa 120
caagtcttta caagccttca ttgcattggt atgtggggag caaggactat ctccaatgtg 180
attaagaaat gcacaatttt tccagcatta acctttctac atgatctaaa tccttgtcta 240
ttaagacatt tgatccaaaa atgatcactt tgctttgtac tgaatagata gcataacaaa 300
caataaactc tatcattaga tggngaatac tctagcccag aaagaaacat ttaaaccaag 360
tacattggaa aatgcctgga tgtttctctt a 391

<210> 9411
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9411

agcttgtgca ttcaatatcc tgatgattgt gttccatatg ttctcaagac tggactaata 60
catttgctgc ccaagtttca tgggtcttgca agtgaagatc ctcatatgca tcttaaggag 120
ttccatattt tttgttccac catgaagccc cctgatgtcc aagaagatca tatatttcta 180
aaggtttttc ctcatctctt ggaggagtg gcaaaagatt gggtgtacta cttggtctcc 240
aggtccattt tcagttggga tgacattnta ggcacagggc aacttagtgg agagagcttg 300

tatgcgtact angaaagatt caagaaatng tgtgcaagct gtcctcacca ccagatttct 360
gagcaacccc ntcttcatta tttctatga 389

<210> 9412
<211> 343
<212> DNA
<213> Glycine max

<400> 9412

agcttgtcga ccagtaatgt tctcctataa tagcacacca taagcataga catcagtctt 60
ttcatctact ataccatgca taaagaattc aggaggaagg tagctgctgt agcatccaag 120
gttaatgcaa aagaaaaaca taaaaaaaaa agtgtcaatt aattggtgaa aagaaggaaa 180
gaaaaaaaaa tgttaacata gaaagattgt gaagatgtta aatatacaaa ctccgaatgt 240
gccttccact ttggagacgg tgtgatgagt ccattggtcg ggcaaccact ttgcaagccc 300
aaaatcagat atctggtgta agattagcat taaacaaact tac 343

<210> 9413
<211> 363
<212> DNA
<213> Glycine max

<400> 9413

tatcattgaa caacgaaagc tgtcaagaaa ttcaaattgt cataacttat cacacgggag 60
tccgattcag gcgcaaaata taccgagacg ctcgagattg cacaacggaa gccctcaaga 120
aattcaaattg gtcataactt atcacacgga agtccgatga acgtgcatag tatatcgaga 180
agtcataat tgagcaacga aagctctcaa gaaattcaaa tagtcataac ttatcacacg 240
gaagtccgat gtaggcgcat aatatatcga gacgcttcga attgaacaac gaaagctctc 300
gagaaattca agtgggcata acattgtcaa cggaagttcg attcatgtgc ataatatatc 360
gag 363

<210> 9414
<211> 315
<212> DNA
<213> Glycine max

<400> 9414

agcttgaaat tgaacaacgg aagctctcga gaaattccaa tggtcataac ttatcacacg 60
gatgtccgat tcaagcgcgcat aatatatcca gacgctcgaa attgaacatc gaaagctctc 120
gagaaactca aatggacata acttgtcaca cggacgtccg attcaggcgc ataatatatc 180
gagacgctcg aaattgaaca acggatgctg tcgagaaatt caaatggtca taacttgtca 240
cacggaagtc cgatttaggc gcataatata tcgagacgct cgaaattgaa caacgaaagc 300
tctggagaaa gtcaa 315

<210> 9415
<211> 407
<212> DNA
<213> Glycine max
<400> 9415

agcttatgaa caacaaaaga agtttgagtc cttgaggggtt aggaagagat gactcatgtg 60
aactaataat aactaattgg aagtaaagta ctacatatctt tttcaaaaat tgacttatctt 120
aaagtgaata aaaataaaaat aagtaatttt gggtgttcaa aagaaaatca actaataata 180
tttcaataaa ttcacaactt attatgtttg tgtatgtaat attgattatt gatttttttca 240
aactaagtat ggatactttc aatatattga aatttgaatc ttcttttcaa tgcttttcaag 300
ttttgaatac ggaaaagtta actaaaagga ctgggtcatga acccttattt ctgtcaatga 360
agattcaagc ctttataaag atgatgcata ccaagtctca taaaagt 407

<210> 9416
<211> 423
<212> DNA
<213> Glycine max
<400> 9416

tgtaattgag caacggaagc tttcgagaaa tttaaattgt catcactttt cactcggaag 60
tccgattcag gcgcatcaca tatagagacg ctcgaaattg aacaacggaa gctctcgaga 120
aattcaaatg gtcataactt gtcactcgga ggtccgattc aggcgcataa tatatcgaga 180
cgcttgaaat tgagcaacag aagctttcga gaaattcaaa tggacatcgc ttttctactcg 240
gaagtccgat tcaggcgcgcat cacatataga gacactccaa attgaacagt ggaagctctc 300
gagatattca aatgggtcata actttttaact cggagggtccg attcatgcac acaatatatc 360

gagacgctcg aaattgaaca acggaagctc ttgagaaatt caaacggtca ttacttttca 420
ctc 423

<210> 9417
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9417

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
aattgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaagtta ctgaattttg cacatctgaa ggcactctc 300
atgagttctc tgcagccatt acaccacaac aaaatggcat agttgtaagg gaaaacagga 360
ctttgcaaga agctgctagg gtcattgctc atgccanaga acttccctat aatctctggg 420
ctgaagccat gaacaca 437

<210> 9418
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9418

tcaagaaaaa gatggcctca gcaaactcct tattttcata agggaattct atcaatagac 60
ctccaatctt taatggagag gggtaccatt actggaaaac ccaaattgaa atttgtattg 120
aggcaataga cctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180
tggaagaat tacaatagat ggcagttcat caagtgaag tataacttta gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gactacaata caatttaaaa gccaaaaaca 300
taataacatc tgcctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagat 417

<210> 9419

<211> 430
 <212> DNA
 <213> Glycine max
 <400> 9419

agctagtggg gagatcttcc tctcttcttg ttgcacacgt gccgcgaaaa atgcttagtc 60
 accattctac tcaaactgaa aagattttca actcattcaa caagtttgaa gatgtatata 120
 agggaagggt cacactacat tcctataagg gcattttctcc ttatgctaca atgcacaatg 180
 atgtgtgcta cttggcactt gaaaagagaa caacttttat catcacacct tttcataagc 240
 aatggatact tggagggaca actgagtcac cttttgcttt taagcagctc aataagaatg 300
 tcctagagaa agctccttgc tcagttggtg tcctcattga tcgtggtaac caaaagatgt 360
 tttggtgtgg cttcaaaaag ggatcaatat atcaagtagc tatgctcttc tttggtggtg 420
 cagatgatcg 430

<210> 9420
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 9420

tgcgagctcg gccggaatcc gaaattgagg agatgttgca gaccttaggt gtggctttgc 60
 tgtgtgtgaa ctcaagccca gatgacagac cgaccatgaa agatgtggta gcaatgatga 120
 aggaaattag gcaggagaga gaggaatgtg tgaaagttga catgcttctt aatgcatctt 180
 ctgcaaatga gcaacaagaa agaaatcatc tcaactgaaga accaatgtca atgataagca 240
 ccagcagcac aaatctgcat ctgcattact ctccccatcg ccctcaaaca ccaaagtaac 300
 ttccaaatag ttaaataatta gcaatgtgtc ttggcacta agatttcctt agcaagaatg 360
 gtttctgtcc tggtatcatt aattaattca gttcatatt tttggtttct tt 412

<210> 9421
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 9421

agcttgcttt gcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgtg ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtttgg caacgcaagt atggggggcat tagtttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa atcgtctata aaaacttgct 420
 aagccatg 428

<210> 9422
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 9422
 tcacacagtt tatcattctc aaacttgagt tttggaagac caattactaa gtctttccta 60
 actagatgat ttaaattgatt catattattg tgtgcagtc tacaatgcc caaccatgaa 120
 tcattctatt tactcaccaa gcaacttagc tcatgaaaag atgcatgctc aacatttagc 180
 atatagatgt tacctatcct tttaccaatg tggacaactt taccagatat ggcttcactt 240
 ataagacaac aatttctatt gaattcaatc ttgaaacctt tatcacaaat ttgactaatg 300
 cctataagat tatgctttat tccatccaca tataacacat tctttatcta agttttgtgt 360
 tgattcccta tatttccttc tcccattata 390

<210> 9423
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9423

agctntgaga aaaatctaac gacaataact tttaactcgg atgtctaata gagccctgta 60
 atatatcgag acgctcgtaa ttgaaaacgg aagctctaag aaaagtcaaa cgacaantaa 120
 ctttaactcg gatgtctgat cgagccctat aatatatcaa gagctcgaa attgaaaacg 180
 gaagctctaa gaaaagtcaa acgacaataa cttgtaactt ggatgtccga ttgagccctg 240
 taatatatcg agacgctcga tattgaaaac ggaagctcta agaaaagtca aacgacaata 300

aactttaact cggatgtccg attgagcgcc gtaatatatg gagacgcttg taattgaaaa 360
ctgaggctct aagaa 375

<210> 9424
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9424

ntgatgggtgt cgagaagaaa tcacatgttt gtcacatca aaaaggggga gaatgtgaat 60
gtatgtatac atgattttga tgatgtcaaa gaagaatcta acaaggctgc ttcaaagtat 120
aagcatttgc ttcaagaata attcaagatt gcttcaaaa acaaagcctt gtttcaagat 180
tcactaaaga ccaagccttg ccttaaaaca aagtgtttc aagacatgca aggctctggg 240
aatcgattac caggaagtgt aatcgattac cagaagacag ggttgagaaa tagctgttga 300
aaaatgtttt gaatttgaat nttcaacatg taatcgatta ccatatgtct gtaatcgatt 360
accagcaacg aaacttttga aatcaaattc aaaagtcata cccttcaa at 412

<210> 9425
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9425

agcttgaaat tgaacaacgg aagctctcga ganattcaaa tgctcataac atttcacacg 60
gatgtccgat tcagatgcat aacgtatcta gatgtcctaa attgaaaaac agaagctctc 120
gagaaattca aatgggtcata acttttaaca tggatgtctg attccgaagc ataacatata 180
gcgacgctca aaattgaata agagaagctc tcgagaaatt caaattgtca taaattttca 240
cacggatgtt cgattcgggg ataaaatatg ttgagatgct tgaaattgag agataaaagc 300
tctcgtgaaa ttccaatggg cataactttt cactcggatt tccgattcat gacacttgaa 360
attgaccaac ggaagctant gtataaatcg aatggtcgta acttttcaca c 411

<210> 9426
<211> 430

<212> DNA
 <213> Glycine max
 <400> 9426

agcttcttag tttcagatga tgtagctgag tttgtagcta cctcatgcac tcctctaata 60
 actatagcat catttctggc gctaaactgt tgggagttgg aagccatctt ctcaattaa 120
 tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcgta 180
 cttctctcca tattactgag tccttcataa aatattggag aagcagctgc tctgaaatct 240
 gatggtgagg gcaactggca catagttttt taaatctctc ccagtattca tacaggctct 300
 ctccactgag ttgtctaata cctgagatat ccttcctgat ggttgtggtc ctggaagcag 360
 ggaaaatttt ttctaagaat actctcttca ggtcatccca gctcgtgatg gaccttggag 420
 caaggtaata 430

<210> 9427
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 9427

taagctcctt caattgcaca aggtctctta tatttgaaga gtatccttgt ggaaccttca 60
 cccaacgaag aactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
 ggggcaagta aattttcttc ccattagtcc ttggatgcaa ctgtgattgt gtacccatat 180
 cagctagatc ttgatgggta ttcaagacat ccttcatttt gccttgaatg ttaaggagcg 240
 tccaatcac actgtcacia acatttttct ccacatgcat aacatcaata caatgcctaa 300
 cgtgaagatc acaccagtac ggaagatcaa agaaaatgga ccttttcttc catatgcaac 360
 tctgactttt atccttcttt t 381

<210> 9428
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 9428

agcttcatgc ttaactatgt atggcaaadc ttcattattg ttgttcaaga catacaagcg 60
 agcttgtaac aaatcttcta cacttggagt gatcacatgc agtcctcttg aacccttacc 120

acccattctg tcatcatgct aagactcagg aagcccaaca gatttagctt tctctaagta 180
 ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaatag atgcatctgg 240
 acgatataga ttctttgtat acccttttaa gatcttcacg tatcgctcaa ccgggtacat 300
 ccaccgtaga taaacaggac cacaacattt gatttctttg accagatgca caatcaagtg 360
 aatcatgatg tcaaagaaag cggggggaga atacatcttc aactggcaca gta 413

<210> 9429
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9429

tgaagggtg tagcctacca tcttttcata gtagaatatt ggtaatgtgt ctactatcac 60
 ggttatcatc tccctttttg tcattgaggg aactacttgg gctgccaggt ctctccacct 120
 ttggacgtat tctttgaaag attcatgccc ctttttgac atgttctgta gttgcatect 180
 atccgaagcc atatcagaat tgtattgaca ctgcctaacg aaggcaacca ttaggtcctt 240
 ccaagaatgg actcgggaag gttccaagtt agtgtaccag gtaacagcta ccccagtatg 300
 actttcttgg aagaaatgta ttagcagttc ctcatatttt gtgtatgcc ccatcttccg 360
 acaatacatc tttagatggg tcttcgggca agtagtcccc ttgta 405

<210> 9430
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 9430

tgtcagatat atatatcgga ttaatttcaa acagtatctt atgcataata ggtgggttcta 60
 gtaataagaa agtttttagtg gttgatgtaa cgtaagaaa tcgaatcttt taagtcatca 120
 cgtttttttt tttcctatat gcaatgtttt aaaaatagga ccaaatcgat attactacta 180
 gtccaatact gtgtttctcc atgtaatagt tgcaacattt tttatataaa aataactact 240
 gccacatata taattatgta tttaacttat ttgtattaaa tataacttaa agagtttaat 300
 gataatgtat tgataatatt tttatattat cgtttaatca taattttttg ttaatatgac 360
 ttttaaagta attattataa aagttataaa tacaatttta ttatacataa tggattatga 420

tcg

423

<210> 9431

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9431

agcttagatg gagaagaaga cacagagtgc cagcttctta gggctcacca tatttttttaa 60

aatataactt caacatcgggt ttttaaaaaa acccgatggt aacaaaatga tgttaagggt 120

aacatcgggt ttctggagaa aaccgatggt atcataacaa acgttaacat cggtttttcta 180

aaaacccgat gtaataaac atatgttaac atcgggttatt taaaaaccga tgttactaat 240

aaatgttaac atcgggttctc caataaccga tgttaatgaa cttcgttaac atcgggttttt 300

cacaaaaccg atgttaacgt atacacagta tntacaatta tgccaccgcg catatgttaa 360

catcngnttt ttttaacaacc gatgttaaca caccg 395

<210> 9432

<211> 423

<212> DNA

<213> Glycine max

<400> 9432

agcttggaca atggaaagga aatcttgcta aaatcttaga tgaatctcct gtaaatacct 60

ctactagaga tcaaattgcc taagactata cttcatgga caataaaatg acatttttca 120

aagctaagaa caaggttagt ctcaatgcat tggtaagaa ctctagagag gcatgcacat 180

ttggaagggtg ccaagagcgt tgcataggcc aaaaggcatc ccggtgtagg caaatgtgtc 240

gaatggacag gtgaatatgg tctagtgtgt gtccttcgat gcaatataaa tttgcatgta 300

acctgaaaaa ccatcaagaa agcaataatg tgatttacct gccaaccttt ccagaaccta 360

gccaatgaat gagagaggga agtgattctt gcaagttgcc tagttaaatc tcctataatc 420

aat 423

<210> 9433

<211> 352

<212> DNA

<213> Glycine max

<400> 9433

agcttatcat taaaataaat ctaaattgggt gatgatgccca tgatctatat ctttcaattt 60
ttgtatgatt acttgtatga tatgttttaa agtatttgat tgattgctca tgtttttcaa 120
aattattata ttttgtttct aaagccttgt atttggctat atgtttatga aatttgaaca 180
cttagtatga cttgaatatt tatggattgt gatatatgac tatgtgggtt gcattttaa 240
ctggttttat tcaagatatt atatttgcaa aaactttaat attaagcata aattcaaaaa 300
gaaaaggggt gaaagggatg agtgaacagt acaacaaaaa ttgtatgcat tc 352

<210> 9434

<211> 417

<212> DNA

<213> Glycine max

<400> 9434

tgttaaaaag ggaagaaagt caaaaactct tttcaaatta aaaatgttgt ttctacttca 60
aaacccttg aactacttca catggattta tttggtcct ctagaactat gagtttgggt 120
ggtaattact atagcttact tatagtagat gattactcaa tggtcacatg gactttgttt 180
ttgaaaacaa aaaacgaagc ttttgatgct tttcgcaaat tgccaagatg attcaaaatg 240
aaaaaggtct caacattgtt tcacttagaa gtgatcatgg aggcaatttc aaaatgagtc 300
ttttgaaagc ttttgtcaag aaaatggaat tcaccataat tttctgcccc aagaacacct 360
caacataatg gtggtgtgga gaggaaaaat agatcccttg aagaagctgc gagaacc 417

<210> 9435

<211> 355

<212> DNA

<213> Glycine max

<400> 9435

agcttagcta cacatacctc tctaataget aagctcacct ccttgagatg agaagctaga 60
gcttagctac acactcccta taatagctaa gctcaccct atgacaaaaa atatgaaaat 120
acaaaaaaaa agtccttact acaaagacta ctcaaaatgc cccgaaatac aaggctaaaa 180
ccctatacta ctagaatggc caaaatacaa ggctacgaa ggaaatacct attctaatat 240

ttgcaaagat aagcgggctc atacttagcc catgggctcg aaatctaccg taaggctcat 300
gagaacccta gggccttccc ttggatctct agcccaatct acttggagtt ttcta 355

<210> 9436
<211> 415
<212> DNA
<213> Glycine max

<400> 9436

agcttaagct ccttcaattg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
ttcaccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatggcag 120
gctgggggca agtaaat ttt cttcccatca gaccttggat gcaactgtga tcgtatgccc 180
atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccctg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacattt ttctccacat gaataaagag tttagtcccc 300
attgagcatt tcaagaagag catggaggga gtgtgtcaga attcggtgaa gcagaagccc 360
tttcttggac aataaagggtg gaattaccca gggtagtggg cttgactatg gcaat 415

<210> 9437
<211> 412
<212> DNA
<213> Glycine max

<400> 9437

tgctaaccba tggaagctcc taatatctcc cacacttttt ggggtggacc attcttggat 60
tgctttgatt ttctcagggt ccaacttgga cccatttcta ccaactacaa accctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcaaagaggg tgtttttcct 180
aaggactgaa agaacttgcc tgagatgtcc taagtgtatca tctaggtccc tactgtacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta aggcattgatt 300
cataagcctc aaaaagggtgc ttggtgcatt agtaagccca aaaggcatca ctagccattc 360
atacaaacca aactttgtct ttgaaagcgg tttccactca tcaccctttt tc 412

<210> 9438
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9438

agcttagcct gcaaaaaata atgaatatag agttaacatg ttggttccac aaaccaaatg 60
ctagcctaaa cccaatgctt aggcattcac tttaagacta cacagtgtaa catgatagac 120
acaaaacaga aaagatatatt atggaactat aagggcataa aagagttacc ttattgcaag 180
ttgaagaaaa aacaagaaca actttatcaa tgtattccaa agattttgag aagttgcccc 240
aatcatagaa ggactgagtt gtttccaaag cactttgagc ctgcagtagt tgagagagct 300
tattttctgt agctgaatct ccaggtttta actccagaga anatgtacaa gcgcacaatt 360
aactcaagca attacaaact ttatcataat cactagtnca aatatacaga tagtattcaa 420
ttgagaaaat agagaat 437

<210> 9439
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9439

agctatgaaa ttgtggatga gccaaccatg aaattgggac aatgtatctt gtccctgtttt 60
caccaacata cactgcaaag tgcccttttg gcacatcttc tggaagacca cccctcttcac 120
tgtagccctg ttgctgcttc ttcccaaagc ttgaacacct tctcacaatt tgctttatca 180
catctgcttg gggtagctta ttggattttt tgatggccat tgtgaaattg attgttagta 240
ctctttgcac accttcaagt tgtaactttt gaaagggctc cttgagggtg ctgaaagtgt 300
gtgattcatg gggcgagttt ggagaggctn tatttatcat tgggacattg gtatgtgtgg 360
aaaatagaca atgagtttta gagaaaacag ggtcacgtgg atgtggtgac atgtagcaga 420
ccacac 426

<210> 9440
<211> 401
<212> DNA
<213> Glycine max

<400> 9440

tccttaagaa gattcctaaa gatgcttgag cttagctaca catacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
 tcacccttat gacaaaaaac atgaaaatac aaaaaaaaaa aagtccttac tacaaagact 180
 actcaaaatg ccccgaaata caaggctaaa accctatact actagaatgg ccaaaataca 240
 agggccagac gaaggaaata actattctaa tatttacaaa gataagcggg ctcataactta 300
 gtccatgggc tcgaaatcta ccctaaggct catgagaacc ctagggcctt cccttggatc 360
 tctagcccaa tctacttga gttttctacc caatgccctt g 401

<210> 9441
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9441

agcttagaga agcactgagc accaccaac acatgggaat aggaaatctg tccttgatcg 60
 tgagggcggt taaagetntg taatcaacgt agaagcgcca ggatccatct tgtttcttca 120
 ccaacaatac cagcaaagaa aatggactgg tacttggctg aatcaggacc ttttgagca 180
 tggagtcgat ctgcaattca atctcgcgct tttggaagtg agggtagcta tacggtctca 240
 tgtaactgg agtggattga ggaagcacgt gaatgtggtg gttggtgtcc ctagccggtg 300
 gcatcgcatg gtggggtcga aataaggcac caaatatggt gagcaatgtt cggagtacga 360
 agggcaagtc ctccatgcgt gaaggaggga taccctctat gactactgtg atgtggaagt 420
 aaagtccagg t 431

<210> 9442
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9442

agcttaaata caactcccga acttagaatt ttcattntga ccagtttctt tcggtttttc 60
 cgatgttttc cacaataaaa cgttggtggc gactccgcgc atctttcttc ctttggaag 120
 cgcacccgtt agcttcgcct tcgctcgccc ttaaaagggc acgttgcgac acctatcaac 180
 aacaacaaat atggaatcct taccattact tgttctaggc agccctaaaa caaagtccat 240

tgataaatta atccatggag aatccgaaat tggtaaagg gtatacaaac cataaggcat 300
 tacctttgac ttggcctttt tgcaaacaat acaacgctca canaatttct gcacatcctt 360
 cttcatgtta ggccaataaa aatgctcttt caatgtatct 400

<210> 9443
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 9443

cgtaaagctt ttggtgggaa atgatagtga gactcaactc ggataccaac cttgcgctac 60
 aataattgca gcaagacca ctatccacaa tgggagaaca atttttgttt aaaaccttgc 120
 atcttatatg aaaaatgttc tctctttcgg tttaggctag gtcacaagat tgactcccaa 180
 ggagccttct caccattaga agatcacctt cttcataggg gtaaaccctt tcaatatgct 240
 catcaccctt ggcttcaccc ccacttcac ttgaaaaagg agaagaagta gcctcctctt 300
 ggctactata gatgtcttga tccctcatga tcatggtttt ctttgtgggg catcgagaag 360
 caatgtggcc tatcccaata catttgaagc atttgatgtt actagttcta tc 412

<210> 9444
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9444

tataattgaa caacgaaagc tctcaagaga tgcaaattgt cataacttat cacacggaag 60
 tccgattcag gcgcataata taccgagacg ctcgaaattg cacaacggaa gccctcaaga 120
 aattcaaag gtcataactt atcacacgga agtccgatta aggtgcatag tatatcgaga 180
 agctcataat tgaacaacga aagctctcaa gaaattcaaa ttgtcataac ttatcacacg 240
 gaagtccgat tcaggcgcac aatatatcga gacgctcgaa attgaacaac gaaagctctc 300
 gagaaattca agtggtcata actcttcaca cggaagtcgg attcatgtgc aaaatatatc 360
 gagacgcttg aaattgaaca acagatgc 388

<210> 9445
 <211> 247
 <212> DNA

<213> Glycine max

<400> 9445

agcttgaaat tgaacaacgg aagctctcga gaaattccaa tggtcataac ttatcacacg 60
gatgtccgat ttacgctcat tttttatcca gatgctccaa atcgaacatc gaaagctctc 120
gataaactca aatgggtcatg gggttattaca ccgacgtact attttggcgc ataatatgtg 180
ggggcgctga aattgagcaa cgcaagctgt ggagaaattc ataaggtaat aacttgggcc 240
actgatg 247

<210> 9446

<211> 444

<212> DNA

<213> Glycine max

<400> 9446

cgctatcagg accttgaaac tcagcttaac aaaggcatgc gaaatgggtg gaattcctag 60
agcaattccc ttatgttatc aaacataaaa agggaaaagg taatattgta gccgatgctc 120
tttctcggcg tcatgcatta ctttctatgc ttgaaacaaa attgattggt cttgaatggt 180
tgaaaagcat gtatgaaaat gatgaaactt ttggagaaat ttttaaaaat tgtgaaaaat 240
tttcagaaaa tgggtttcttt agacatgaag gctttctttt caaagaaaac aaattgtgtg 300
tgctaaatg ttctactaga aattttcttg tttgtgaagc acatgaagga ggtttaatgg 360
ggcatttttg ggtccaaaag actctagaaa cattacaaga acatttttat tggcctcata 420
tgaaaaagga tgtgcagaaa tttt 444

<210> 9447

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9447

agcttggtcaa attagtgtat ggattgaaac aagctcaaga gtttggtatg aaagaccaag 60
ttcattttta gttcaaaatt tattctccaa aggaatagcg gatattacac cattcataaa 120
gacttagaaa atggatctgt tgatagtata gatctatgta gatgacagca tcttttggtat 180
ttcctcaaaa aggatgtgca aacaattttt tgagctaataa aaaggaaaat ttaaaataag 240

catgatggga gaactaaagt ttttttctaag ggcttttaa at cattcaaaag aggttttagaa 300
 tggatgaaac cagaccagt gctaccctca tgcattccatc cactgttagt gataaagcag 360
 aanagaaaag caccaatagt gcataccaat ttcattgggaa atcactagt tcataatctt 420
 caagaaacaa cac 433

<210> 9448
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9448

ttgagcaaat tcaaacgaca ataaatTTTT actctgatgt ccgattgagt ctcgtaatat 60
 atcgagaagc tcgaaatgga ataccaaaagc tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tcttattgag tcccataatt tatcggaacg ctcgaaatag aataccgaag 180
 ctttgagcaa attcaaacga caataacctt tttactcgga agtcggattg agtcccgtta 240
 tatatccaga cgctcgaaat tgaatgttga agctctgagc aaattcaaac gacaataacc 300
 tttttactga tatgtcggat agagtcccgat aatatattga gacgctcgat atggaatacc 360
 gaatctgtga gcaaattcaa acgacaataa ctttttactc ggatg 405

<210> 9449
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 9449

agcttcaaca ttcaatatcg agcatttctga tatattacgg gactgaatca gacatccgag 60
 taaaaagtta ctgtagtttg aagttgctca gagcttcaac attcaatatt gagcgtctcg 120
 atatattacg ggactgaatc agacatccga gtaaaaagtt aatgtcgttt gaattatctc 180
 agagcttctg tattccattt cgagcgtctc gatattattac gggactcagt cagacatccg 240
 agaaaaaagt tactgtcgtt tgaatttgct cagagcttctg ataataatt tcgagcgtct 300
 agatatatta cgggactcac tcagacatcc gagtaagaag ttattggcgt ttgaa 355

<210> 9450
 <211> 304

<212> DNA
 <213> Glycine max
 <400> 9450

tttaaagtgt ttcaatgttt tagaaagcat gtaatcgggt acacatggct tgtaatcgat 60
 taccagtggg ttggaaaatt ttaaaacaac cataagaaat ttgaatttaa atttcaaagt 120
 tgtgtaatcg attacagtaa gttggtaatc gattaccagt gtttaaaaat tcaaatttca 180
 aatgtgaaga gtcataactc ttcagaagta attgtgtaat caattacacc attatggtaa 240
 tcgactacca gtgagtagtt ttgaaaaata ttccaacaa tcacaacttt tcatttgaat 300
 tttg 304

<210> 9451
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9451

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattt tgacttcac tcttttgag 180
 gatagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagttaa cattgaatcc ttcacacac aactgactga tgctgatcaa gtttgagtc 360
 agtcccttca ccagcagtac tttgttcaga ctaggaagtn catcatggac tagctttccc 420
 attccag 427

<210> 9452
 <211> 408
 <212> DNA
 <213> Glycine max
 <400> 9452

tggatgttta acacaatata tacagagatt cagattatta cttacagttt taaaagtoga 60
 gaattaaaat caaagatact tgcttttaag gagctaaaat aagaatacca ttaaccetta 120

tcttgaaata cttagttcac ttctctagct actttctttg acattcatgt atatatgcac 180
tataaagatt aaataatgga gtactaagga cttatctagt tatctaccac aataaatata 240
tctctcaact tcaacccaat atatagtatt ataaacggct aaatattccc aaaacagaat 300
atataaaaag atttattttg atgattatca atataaaaat cgttctatta atcaattgaa 360
aatcatcata actctactgc tatatatggg aatattctaa taaataat 408

<210> 9453
<211> 413
<212> DNA
<213> Glycine max

<400> 9453

tgatgtttgt gttgaatgca ttaaaggtaa acagacccaa agtaagaaat tatgtgcata 60
tagagctaca gacgtcttgg aattgataca tacagacatt tgtgggtcat ttcataatcc 120
ttcatggaat ggttaacaat attttatatc attcatagat gattactcca gatatgcaca 180
cctgtatctt atacatgaaa agtcacaatc cctggatgtg ttcaaaacat ttaaagttgt 240
agttgaaaat caactcaaca aaagaatcaa gagagtcaga tctgaccgtg gtggtgaata 300
ctatggcaga tatgacgggt caagtgaaca acgtcctggg ccttttgcca ggtacctaga 360
ggaatgtgga atcgtcccac agtacacgat gtcgagggtca cctagcatga atg 413

<210> 9454
<211> 388
<212> DNA
<213> Glycine max

<400> 9454

gatttctcca gatttacctg ggtcaacttt atcagagaga aatctgacac ctttgaagta 60
ttcaaagagt tgagtctaag acttcaaaga gaaaagact gtgtcatcaa gagaattagg 120
agtgaccatg gttgaaagat tggaaacggc aagggtactg aattctgcac atctggaggc 180
atcactcatg agttctctgc agccatcaca ccacaacaaa atggcatagt tgaaaggaaa 240
aacaggactt tgcaagaagc tgccagggtc atgcttcatg cccaagaact tccctataat 300
ctctgggctg aagccatgaa cacagcatgc tatattcaca acagagtcac acttagaaaa 360
gggactccaa ccacactgta tgaaatct 388

<210> 9455
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9455

tgatgatttc ctatagggcat atanaacagc cttcaaaact cccattggca tctctttgtt 60
 tcaaatggtg tacgaaaaag tgtgctacct accaatggag ttagaaatta aagctcatta 120
 ggccatgatg ttctcaact ttatctttat agcatccaga gagaaaagga aggtataact 180
 acaagaactt aaaaaaatat gccacaacgc atatgattta tccaagctct acaacaaaag 240
 aaccaatagg aaccatgaca aaaagatcct ctacagagaa tttaggccca aacttcaagt 300
 attgctctac aactcaagat taaagttgtt tcttggaata ttaaatcaa gatggagtgg 360
 gctttttact atcaaagaca ttaagcctta tg 392

<210> 9456
 <211> 399
 <212> DNA
 <213> Glycine max

 <400> 9456

agctttgacg tttgtgttga atgcattaaa gataaacata ccaaagcaa gaaattaggt 60
 gcatatagag ttacagacat cttggaattg atacatacag acatttgtgg gccatttctt 120
 acaccttcat ggaatggtca acaatatatt atataattca tagacgatta ctctagatat 180
 gcatacttgt ttcttataca tgaaaagtca caatcattgg atgtgttcaa aacattttaa 240
 gttgaagttg aaaatcaact caacaaaaga ataaagtgtg tcagatctga ccgtgggtgg 300
 gaatactatg gcagatatga cggttcaggt gaacaacgtc tagggccttt tgccagggtac 360
 ctagaggaat atggcattgt cccacagtac accatgccg 399

<210> 9457
 <211> 431
 <212> DNA
 <213> Glycine max

 <400> 9457

tgaatgcatg taaccaccca tcttctcata gtagaacact agtaacgtgt cttctatcat 60

tattatcatc tccctatcca tcattggggg cgctacttaa gtttccagat tcttccacct 120
 ttgggtgtat tctttgaaag attcatcctc cttcttatac atgttttgta gctgcatttt 180
 attcggagcc atatcagatt tgtactgata ctgcctaata aaggcaacca ttacgtcctt 240
 ccaagaatgg attcgggaag gttccagatt agtataccag gtgacggctg cccagtaag 300
 actttcttgg aagaaatgca tcaataatct ttcatttttc gagtataccc ccattttcct 360
 gttgtacatc ttcaagtgat tcttgtggca agtagtcccc ttgtatttat cagaatccag 420
 caccttgaac t 431

<210> 9458
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 9458

taacaaaagg catgcgaaat ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaagga aaaggaata ttgtagccga tgctctttct cggcgatcatg cattactttc 120
 tatgcttgaa acaaaattga ttggctctga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttga gaaattttta aaaattgtga aaaattttca gaaaatgggt tcttttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300
 tcttgtttgt gaagcacatg aaggagggtt aatggggcat tttgggggtcc aaaagactct 360
 agaaacatta caagaacatt tttattggcc tcatatgaaa aaggatgtgc agaaattttg 420
 tgaacattgc attgtatgta aaaaggcaaa gtctaaggta aagcctcatg gattgtatac 480
 tccattg 487

<210> 9459
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 9459

agcttgtcaa attagtgtat ggattgaaac aagctcaaga gtttggtatg aaagaccaag 60
 ttcattttta gttcaaaatt tattctccaa aggaatagcg gatattacac cattcataaa 120
 gacttagaaa atggatctgt tgatagtata gatctatgta gatgacagca tctttggtat 180

ttcctcaaaa aggatgtgca aacaattttt tgagctaatag aaaggaaaat ttaaaataag 240
catgatggga gaactaaagt tctttctaag ggctttaaat cattcaaaag aggttttagaa 300
tgatgaaac cagaccagtg gctaccctca tgcattccatc cactgttagt gataaagcag 360
aaaagaaaag caccaatagt gcataccaat ttcattgggaa atcactagtg tcatagtctt 420
caaagaaaca acacaattgc catcaaacac cacttcatta gagatcata 469

<210> 9460
<211> 368
<212> DNA
<213> Glycine max

<400> 9460

agcttaaata caactccga acttataatt ttcattttga ccagtttctt tcgggttttc 60
cgatgttttc cacaaataaa cgttgggtggc gactccgcgc atctttctct ctttggaag 120
cgcacccgtt agcttcgcct tcgctcgccc ttaaaagggc acgttgcgac acctatcaac 180
aacaacaaat atggaatcct taccattact tggtctaggc ggccctaaaa caaagtccat 240
tgataaatta atccatggag aatccgaaat tggtaaaggg gtatacaaac cataaggcat 300
tacctttgac ttggcctttt tgcaaacaaat acaacgctca caaaatttct gcacatcctt 360
cttcatgt 368

<210> 9461
<211> 362
<212> DNA
<213> Glycine max

<400> 9461

tatgctacaa acatctacaa tagacctcct caacctcagc aataaaatca gccacaacaa 60
aacaattatg acctctccag caacaggtac aatcccggtt gagggaatca tcccaacctt 120
agatggctga atccttcaca acagcagcag caacaacaac agccttattt tcaaaatgct 180
gctggcccaa ccaaaccata ctttctctca ccattccaac accaccacca ccattaccac 240
cagcctaaaa accaccaacc agtgaaggtt cttcacaac tttccttgaa aaacttggga 300
aggcaatgac ttttccaaaa aatgcagttt caccaaaaaa caaaaccctc attttaaac 360
tt 362

<210> 9462
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 9462

tctaaacttt atacaagaat gaaactctga tgccacttgt tagacaagtg gcctcagata 60
 tcttaagaag gggggggttga attaagatat tccaaactac ttccccaatt aaaatctatt 120
 tcacttttctt ttcaagttat aaattccctt aacaatgaac ttcttaaata ttaattcaaa 180
 taaaacaatt tgaatatgaa tataaagcaa taataaacia aggagattaa gggaagagaa 240
 agtgcaaact cagatattata ctgggttcggc cacacccttg tgccctacgtc caatccccaa 300
 gcaaccgct tgagagttcc actatcttgt aaattccttt tacaagttct aaacacacia 360
 ggacaatcct tcctt 375

<210> 9463
 <211> 312
 <212> DNA
 <213> Glycine max

<400> 9463

tatacagcct acctgcatgc atgctagcta agtcgactgt gccagacagt gcttcttaat 60
 gcctctaaact cttcgaaccc actcccgctc gttctcacta agcattcgag ctgattctaa 120
 cttcgctga taatttgggt tgcgatcgca aagcactgac tgtcaciaac ttatatgtat 180
 ctttcacata ataagtatac cataccctct actatatccc aagcatgcca acgactgcaa 240
 tcatgatgat aatatgatcc atgccgacta ctattttgcg atagtggaac atctgcatct 300
 tgtaccattg at 312

<210> 9464
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 9464

agcttctaaa ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggt tgaattaaga tattaciaac tatttcccca attaaaattc 120

tatttcactt tctattcaag ttacaaattc ccttaacaat gaactcttaa ataatgattc 180
 aaatagaaca atctaaatat aaatataaac caataataaa taaaagagtt taagggaaga 240
 gaaagtgc aa actcggattt atactgggtc agccacaccc ttgtgcctac gtccagtccc 300
 caagcaaccc gcttgagagt tccactatct tgtaaaatcc ttttacaagt tctaaacaca 360
 caaagacaat cctttctttg tggtcagaat tcttttataa caagagaacc ctgctcttct 420
 tatcccttaa agaattagaa agaagagaag aatgaatctc 460

<210> 9465
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 9465

agcttatccc atgcctcctt agcagatggt gcataagaaa tcttctcgaa tgcattcattt 60
 tttaatgctt gatagatgag gaatagagct ttattgtctc tctttcttga atcctttaac 120
 gtctcctttt gtacttggga tagcgaagtc tcatcttggt actcctttta gcatttttca 180
 accatttccc aaacatcatg tgctccaaga agggccttca ttttgatgct ccaaagtaca 240
 taggtgctcc cctttagaag cggaacttga aaggataccg cttcattgct tgccataact 300
 atataggaat ttcttatcag aacctaactc ctgataccac tatggt 346

<210> 9466
 <211> 486
 <212> DNA
 <213> Glycine max

<400> 9466

tgtagtggtg tgtttaaatg tctaaaataa aagaaaaatt atgtaataat gtttctttga 60
 agaaaatttt atcagtga aaataatatt ttgaatatga atttttagt atttttttaa 120
 ttagattagg ttggtgttaa tgatttatta gtgtgttaat aattcatgaa cgtttcaact 180
 ttcatttaaa aaaattagta gatcatattt atttgaagaa agtattttga gtatgaaatt 240
 tattttaata tgaagttgta gtattttttt aattagatta gggtcatttt tttgtgttaa 300
 aaattgataa gcgttcaagt tgaaagtgtt atttgatgat gttttgttgt ttcttgatc 360
 atatttaatt taatatattt gtagtaattt tgtaattacc tattttcatt ttgaaagtat 420

tattgttaaa attaattatt ttactacta acttcggtca tgaattattt tattttgtgg 480
 taaaaa 486

<210> 9467
 <211> 489
 <212> DNA
 <213> Glycine max
 <400> 9467

tagcaaattg acttgggtgt tgcccaattt catcgatatct tttgtaatac tcaccacctc 60
 tattagatct aataattttc acttttttgt ctaattgtct ttctacttta ttcaagtaaa 120
 tttctaaggc atccattgcc cgagatttct catgcagtaa gtaaacataa ccataacgtg 180
 aatagtcatc aataaagggtg ataaagtatc tttcctttcc gaaagaacta acatcaaaag 240
 gtccacaaat atcagtatgc acaatttcaa gaagctgagt gcttcttgta gctcctttct 300
 ttgtatgttt tgttgttttc ccttgatata atccacacaa atatttagat ccgtaaaatc 360
 tagatcatga agaatttcat tctttattaa tcattccatc ctttctctag aaatgtgacc 420
 taaacgttta tgccacaaga aagcagatcg gtcattcact aaactacgtt tagtgataac 480
 attatgatg 489

<210> 9468
 <211> 465
 <212> DNA
 <213> Glycine max
 <400> 9468

agcttatcaa accaaagcaa cttctatcta gaacaacttg aagagctata ttagaagaaa 60
 tttcaattgt tgaaatgtat agtaagtcgg tcatctagt acagcataac aaagtcacaa 120
 atactagtac taagttgaag aacatattgc agtatcgagt gtttgctggt tacatatattt 180
 caggttatat acctggagga gttccacaac acatattgag gtcacataa tgctcaactt 240
 caagaccaat gaaccatgca ccaagtgaga catcttcatt agcatattta tgcaaaatcg 300
 gcctgcaatc ataattagac tccacatgaa atttctatat gtaagagaat attctatgag 360
 aaacatggac tgatccccga actgagattt cctatttaga aaactttaag tttatgaaaa 420
 aaaaagtgtt tttattttta tcaaattctg caaaatgagt atttt 465

<210> 9469
 <211> 484
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9469

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 ttttgtacct tgcataatag gcacttgaag aatgggtatc acatccctta nattgaatat 120
 ttgattaatc acatccatgt ttcaacttcc atgtgaagta tccataatat ttgttacttt 180
 gagatttttc atcccattga ttataagagt ttcaatagtg agattttact tcattctcaa 240
 ctagggttcg ttccaaatac caatattagt accatttccc aactttcatt tatatccttc 300
 ctttatgacc attttagaag agaacatact tcaccatgta aatgatgggt tgtgccttac 360
 taaagcttcc ataaactctc cccttaagaa atatttagct ttgatgactc ttgacagtaa 420
 aacatttagc atagaaaaga tcctccatta ttgctttcct aacatggcaa agttgaaagc 480
 aaat 484

<210> 9470
 <211> 383
 <212> DNA
 <213> Glycine max

 <400> 9470

agcttttagg gttaaagtct cagcattgtc acgtgctcat gcaacaattg ttagtcgtgg 60
 ctatatgaga catcttgcca aacaaagtca gggttaacgat aactcgcttg tgctttttct 120
 tccattctat atgtagcaaa gtcattgatc caatcatgtt tcatgagttg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcaattgat tgcgcactctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggc 300
 ggatgtaccg gttgaccgat acatgaaaat cttaaaaggg tatacaaaga atctatatca 360
 cccaccaaca tctaattgtg aga 383

<210> 9471
 <211> 493
 <212> DNA

<213> Glycine max

<400> 9471

tatgtgagag actctataaa ttactctagc tggaacacat gacctcgcaa aatgccctga 60
cttcccacat taaagcaggt gctttgtaca ccgacgcogt ggggtgtgatc acgaccaccc 120
aatcaccctt cttacattcc gcattcccta cccctttctac ctacctcccc acacctaaaa 180
ctacctccac ctgttccctgc accgccaatg ttgtccttcc cgggggcgca gaacctcacc 240
atgtgtccaa atgcgccaca cctaataatg gatccgactc catcagcacc tgaaatggct 300
acaatgccgg cgtctcctgg cacacaatct cttatgaggt ggacgaaccc ctccgatttg 360
aaacaacctc cgccgatgga gccttaaccg acaccagaaa taccgctcct gttgcaatcc 420
ctggttaggg gtacaaactt gccaaactgg tagcacgcgg agccgcctcc gacattgggc 480
ctggcgccga aac 493

<210> 9472

<211> 439

<212> DNA

<213> Glycine max

<400> 9472

agcttcgaaa ttgtggatga gccaaacctg aaattgggac aatgaatctt gtccctgtttt 60
caccaacata cactgcaaag tgcccttttg gcacatcttc tggaagacca cctcttcat 120
tgaagccctg ttgctgcttt ttcccaaagc tcgaacacct tctcacaatt tgctttatca 180
catctgctag ggagagctga ttggattttt agatggccat tgtgaaattg attgacagta 240
ctctttgcac accttgaagt tgtaacttt gaaagggctc cttgagggcg ctgaaagtgt 300
gtgattcatg gggcgagttt ggagaggctt tatttatcgt tgggacattg ggatgggtgg 360
aaaatagaaa cttgagtttt aaaaaaaca cgggtcacgt tgatgtgggg acatgtatca 420
taccacaccc taatgactc 439

<210> 9473

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9473

tgtgggattt tgtgatagtg attttgccgg agatgttgat gatagaaaa gtactaccgg 60
 atttgtattt tttgtgggtg attgtgtttt tacatggaat tctaaaaaaa aaggcattgt 120
 gacactttct acttgtgaaa ccgantatgt agctgcaact tcttgacat gtcatgccat 180
 ttggctaaga agattgttgg aggaacttca gttgttgcaa aaggaaagca caaagatcta 240
 tgttgataat agatctgcac aagagcttgc caagaatccg gtgttccatg aacgaagtaa 300
 gcatatagat acaaggatc atttcattag agagtgcatt accaagaaag aagtagaatt 360
 gactcatgtg aaaactcaag atcaagttgc ggatattttc accaagcctc tcaaatttga 420
 aaattttcga agattg 436

<210> 9474
 <211> 492
 <212> DNA
 <213> Glycine max

<400> 9474

tgaacaattc atactcaaaa tgattgttag tcttggaag cttgggtgct aggctctacc 60
 atcaaaaatt gcatgggagc aacttcatgt ttttgcaactg catgcatttt tgttgccatt 120
 tctccaaca ccttcatttt ctacttttcc agctccttat gtctatgccg tttcttctcc 180
 aatttttggc caactgcaac ttcaatgctt ttcttttaaaa acttcttcaa tgtaaagtgt 240
 atcttctaca atttttcttg tccaagaaaa actcaaaaca atgggtgatgt ggaaaggaaa 300
 aataaatcct tacaagagat ggctagaaca ctgattagtg agtatagcat acaaaactat 360
 ttttgggaag aagttgttag tatagtctgc tacattctga atagagtttt tatcagaaaag 420
 gttttgagca agactcttta tgaacttggg aaaggaggaa aaccaagtgt atcttacttc 480
 cacatttttg gt 492

<210> 9475
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 9475

tgtaggccta aaatcttctt catcaatgga ttcctttgct tcttgggaaga taaatggcag 60
 cggaatggag aaggaagaga gagaggagat gccactttaa ggaaaagatt agtctagaag 120

aagctcacca ccataggagg ccatggataa gagcttggag gaagaaggag atgaatgaag 180
 ggagaaggag agaagaacac gaaatttgtg ctctaaaaga gctctgaaat ctgaagttaa 240
 tattcaaatg atcaaagttc aaaaaaatgc accacacatg acctctatct atagcctaag 300
 tgtcacacaa aattggaggg aaatttgaat ttcaattcaa atttcacttg aatttgaaat 360
 tgaatttgtg gagcccaact ttggaacca aatttcactt aattatggat tagggaattt 420
 tagttatgg 429

<210> 9476
 <211> 504
 <212> DNA
 <213> Glycine max

<400> 9476

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 gtggatggca cctcctctca cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120
 aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
 gcaagcttcc atcactgcct ttgaggatcg aggatagacg aacaaagcac ctaagaagga 240
 aggaggttcc attggtcaag gtgacctggg gaggtacatc aggagaagat gccacgtggg 300
 aattagagag tcagatgcaa gccgcctatc catccttggt tgagtcaagt aaatttcggg 360
 gacgaaattt ctaaaagggt aggagagttg ttacaccctg agatattata agttattttc 420
 gatgtttaat tgtatttatg tgttatttga ctatatgata gacttgaatg agttaagtat 480
 gccttgacct aaatcatgtg tgaa 504

<210> 9477
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 9477

tatcccatgc ttctttggct gtcgttgogt tggatatctt ctcaaagtga tcttcatcca 60
 ccgattgatt aatgagaaaa agagctttct tgactctctt tcttgactcc ttcaacgtct 120
 cctttacacc ttggcttacc aaggcttcat cttgctcttc gaagccattc tctacgatat 180
 cctacacatc ttgagctcct tgatactcca attatcatag ctgttctttg agagcatcgg 240

catttgghaaa ggaaaacctc cattcgccat cttttgagga tcttgaagct ctgataccac 300
 tttgttgghaa ataaggcttt ttatgttttag gaaaagtgtt tatgaatatt ggagactttg 360
 aatagaacct tgatagaaaag gagaattctt tatggaggag agaactttgt atttttgctt 420
 gataccaatg tgtaggatta catctctatt ta 452

<210> 9478
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 9478

ttgagaatth gagaacatga caaaaacaag tgacagtaat atccaagata taaaaatggg 60
 tgtttgtcaa tgtaccacat ttaatagtac aaactaaaag aacaagaaaa acagaccaat 120
 ttctaggcgt ctcagaaaaa actttaaaaca agacagttca cctaataagt ttttggatta 180
 gtagtaatca tttttgtgta aataaatagc ttaccagagt tcattggact ccatcgctgg 240
 aaccgaaaag gagatgggat gttgagaaca gaagcaccag aaacactgtt atgcctggaa 300
 atgggaagat attgcctccg gaaaaacctt ggcattcaat tgccaatata tgataaagca 360
 caaagaagaa gaattaaaga aagcaacaaa aggggcacaa gaacaagagg atttatcttc 420
 atctgaaaaa gctccaagtc acgaagccca aatct 455

<210> 9479
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9479

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaaga ggtatgccta tgttgtttgt gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
 atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcatcactc 300
 atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg anaaacagga 360

ctttgcaaga agctgccagg gtcatgcttc atgccaaaga actttcctat aatctctggg 420

ct 422

<210> 9480

<211> 383

<212> DNA

<213> Glycine max

<400> 9480

agcttttaat ggaagtcaag agcacgaaac tgcgcggaca ccgttaactg gtgagcaggt 60

cttccagcgg gttgaacacc ttaatactgt atttggaaag acccaaaaga aggataaaaag 120

taagagttgc atatggaaga aaagggtccat tttctttgat cttccgtact ggtctgatct 180

agatgttaga cattgtattg atgttatgca tgtagagaaa aatgtatgtg acagtgtcat 240

tgggacactc cttaacattc agggcaagac gaaagatggt ctaaataccc gtcaagatct 300

agctgacatg ggcatacgat cgcagttgca tccaaggctc gatggtaaaa aaatatactt 360

gcctccagct ggtcatactt tat 383

<210> 9481

<211> 424

<212> DNA

<213> Glycine max

<400> 9481

tcaacattca atatcgagcg tttcgattta ttactgggct gaatcagaca accgagtaaa 60

aagttattgt agtttgaagt tgctcagagc ttcaactttc aatatcgagc gtttcgatat 120

attacgagac tgaatcagac atcagactaa aaagttattg tcgtttgaat tatgtcagag 180

cttcggtatt ccagttcgag cgtctcgata tattacggga ctcaatcaga catctgagta 240

aaaagttatt gtcgcttgaa tttgctcaaa gcttcaacat tcaataccga gcgtctcgat 300

atactacggg actcaatcag acatccgagt aaaaagttat tgacgtttga atttgctcag 360

agctttggaa ttcaagttcg agcgtctcaa tatattacgg gactcaatca gacatccgag 420

taaa 424

<210> 9482

<211> 337

<212> DNA

<213> Glycine max

<400> 9482

agctttgagc aacttcaaac aacaattact ttttactcgg atgtctgatt gagacccgta 60
atatctccag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacgataag 120
tttttactcg tttgttcgat tgagtcccggt aatatatcga aacgctcgaa attgagaacc 180
gaatctctga gcaaattcaa acgacaataa ctttttactc ggatgtttcg attgagtccc 240
gatatatccg aacgctcgaa attgaatggg gtacctttga gcaaattcaa acgacaataa 300
ctttttactc gggtgtctga ctgacacgcg taatatt 337

<210> 9483

<211> 493

<212> DNA

<213> Glycine max

<400> 9483

tcctcaagtg tcacattctc tagcctcttt gttgagcatc tgttgagcag ataggctggt 60
gttgacacta cttcacccca aaactccttt ggcaagtcaa aattccttag catacacctg 120
gtcatgttga ctatggttct attgagtctc tcagatacac cattgtgttg tgggtgtatat 180
gaagggtgga tctcatgaat gataccctca tcctcacaaa atttctcgaa ttcatgtgat 240
gcgtattcac caccaccatc tgatctgagt ctctgaatcc tgtttccact ttgtgttttt 300
accatcacct tgaatctttt gaagggtgaaa aacacttcac tcttcttct tagcaagtag 360
atccacactt ttcttgagta atcatctata aaggacacaa aatatgaact accccctaga 420
gaaactttct caaaagggcc acacacatca gtatagacca aattcaaaac tgctgaaaac 480
ttagttggta ctt 493

<210> 9484

<211> 485

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9484

agcttaaagg aagtgaaaga attagtatgg gcaaaaatgt ctccgcattg attggtaaatt 60
ctgttcccca aatccctgaa aaatgtaaag atccaggtac attcatcatc ccttgtatta 120

tagggaacag taagtttcac aatgccatgc tagatntag agcttctatt agtggtatgc 180
ctctttctat ttttaattct ctatctcttg gtcctttgca gtcaactgat gtggttaattc 240
atttagctaa tagaagtgtt gcatatcctg ctagtctcat agaggatgtc ttaggttagag 300
ttggtgaact gattttccct attgattttt tatattttga atatggagga gggattttct 360
aagggatcag ttcccattat tttatgcaga ccttttatga aaactgcttg aacttngata 420
gatatatata tgcaagcaca ctatctatgg aggttgatga tataactgtt cttttaatat 480
tcttg 485

<210> 9485
<211> 401
<212> DNA
<213> Glycine max

<400> 9485
agcttgaaga caagactata cgaggtatct tccttgggta tagcaatata tctaagggtc 60
accgtgtcta caacttgcaa actaagaaac tcgtcatcag tcgagatgtt gaagttgatg 120
aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt atactcgttc 180
aactacctca agaagaagat gaggaagaaa acccaggtga accaccttca cctccatcac 240
aacaacaaga agagatggag tatccataca gaaaaatttg caccagtagc tcgtcttaat 300
aagacaaagc tcaactctga tggcaccata cagaaacaca aggcgaggct agtagctaaa 360
ggttacttac agcaaccgg aatcgactac aatgagacat t 401

<210> 9486
<211> 495
<212> DNA
<213> Glycine max

<400> 9486
tgataagaat ggatcgaact cctctccttt aaaataacag aattaatggt aataaggagt 60
gatatttgaa agaaagccac aacatttatt tttcttactt atttaaaagt taatttacaa 120
agtaaaaaac ttggaacaat tcgtttaata ttaattagat cttgacttta atatcttcaa 180
attaattctt ttaaaaaaaaa tatcttcaca ttaatgtgca tgaaacaaaa caaaaaataat 240
tcaattaaag aaacatctac cttataattt tagagataat tggcgattcc cgatataaaa 300

tacaaagaca gtcgactttt caattttttg gtagatggca aatattggat ttggtctttc 360
atagaatttc aatgaactca aagtattcct ggtaaggtaa gtatttttgt acattgaaca 420
tttttttata catataagtt taaaaatatt taaaagaaga ttaatttaat tgatataatg 480
ttaaaaaaaa tgaat 495

<210> 9487
<211> 453
<212> DNA
<213> Glycine max

<400> 9487

agctttgcat acttccccgc cgcgtttaga agatcacccg cggcgctccgc caactttgcc 60
ttgtccacct tgctcgtctc cctcttttagg gcggactgcg ccgcctccgc caccagcttc 120
gcgctcgcga tgagctcggg ggtcgactgc tcgctgggtg gcttaatgtt atgggattct 180
tcggaagcca ttgatacaat gttacttgct tattgcagct tttgagagaa ctgttctgtg 240
ttatttatag atgtcactat gatattagta taaaagtgt tctttcaaata aataataaac 300
tttatattta attatttatt tacttgctat agcctctaaa tttatctttt tttaatcctt 360
aaaagaaatt ttttaagttta catttttaaat tattaaaaaa tagaatattt ggtgttaaaa 420
gtttaacaaa ttttaataata ttaatccttt tta 453

<210> 9488
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9488

tttagcaaca tttttattta atgttattga aaaaatattc ctaaaagcca catgtgtagt 60
agtataaat catgcatctt aatcgttatt ttgaatagaa taagaaattt tagcaaagag 120
taaagagaaa tacaaacaag aaagtctacg cacaatgaag tgcagaaaaa aaaactaaga 180
atgcaacaag aatgcccaat cccatttatc atagagctta gtgaatctaa gattcacatt 240
ggttccaaac actaaagaat taagtttagt aattttggaa atcattgagt actatttggt 300
atatttattt gaatgcattg atgtgttaat aatattattg aatgctttct ttattgagaa 360

tattacatca ataaattgtg gttgatcttt tagaatttat tttattcact gggattaatg 420
 ttgaaagtga ggagacttga acacttagtt ttcttttaac tacatttggt tcagaatana 480
 gtgtacgatg tgg 493

<210> 9489
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 9489

agctttagg cattggatat tctttattaa tggagtcatt tgcttcttga tgttcattgg 60
 cagcagaatg gagaaggaag aaagatgatt ggagacacca cttcaaggag aagatgagtc 120
 aaacacaggc tcaccaccat aggaagccat ggataagagc ttgaaggagg agaaaatgag 180
 gggaggtaga aggagagaag gagcacgaaa ttttgtatct caaatgaggt ctgaactttg 240
 aattataatt ttcaaatgat caaagttgaa aaaacgcaca cacctggcct ctatttatag 300
 cgtaagtgtc acacaaaatt ggaggggaaat ttgaatttct attcaaattt cacttgaatt 360
 tgaaattgaa tttgtggagc ccaaaatttc actaaa 396

<210> 9490
 <211> 266
 <212> DNA
 <213> Glycine max
 <400> 9490

tgctttgaga aaaatctaac gacattttct ttttaactcg atgtctaate gagccctgca 60
 atatatcgag acgctcgtaa ttgaaaacgg aagctctaag aaaagtcaaa cgacaataac 120
 ttttaacttg gatgtctgat cgagccctat aatatatcaa gacgctcgaa attgaaaacg 180
 gaagctctaa gaaaagtcga acgacaataa cttttaactc ggatgtccta ttgagccctg 240
 taatatatcg agacgctcga cattga 266

<210> 9491
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 9491

ttgatgcaac atttggagag gttaatgaaa caaccagatg atgcgctcca tgagaggttg 60
 gatcaaatgg agaatagaga tcataatgaa gaacaaagga ggagaaaagg gaatgattgt 120
 gttcctagac aaaaccgaat tgatgggtatt aaactcaaca ttcctccatt taaaggaaaag 180
 aatgatccgg aggcctacgt tgagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
 aactttgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctacc aaaggagaga gccagaaatg aaaagccaat ggttgattca 360
 tggacggaga agaaaaa 377

<210> 9492
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 9492
 agcttatgac cattcgaatt tctcatgtag tttccgctgt tcaatttcga gcgtgtagat 60
 gagttatgtc cccgaatcgg acatctgtgc gaaaagttat gaccattcga ttctctcgag 120
 agcttccgtt gttcaatttc gagcgtctcg atatattatg accccgaatc ggacatctga 180
 gtgaaaacgt atgaccattc cattttctcg agagcttccg ttgctcaatt tcgagccgtc 240
 tagatgaaat atgtcccca atccaatcat ttctagtga aacttatgac cattcgaatt 300
 tctcgagagc tctctgttgt tcattt 326

<210> 9493
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 9493
 tttcatgggg ctctggataa atttttaggg tggaggatac accaacaatg ctaggcaatc 60
 aattcgtggg gctccagact cgatgctgga ggatgcatga atgataagca tttcataggg 120
 ctccggataa gatttgaagg tggaggatac acgaacaacg ctaggcaacc aattcgtggg 180
 gctccagact cgatggtgga ggatgcgtaa atgacaacca attcatggaa ttccgaaaaa 240
 gatttaaggg tggaggatag acgaacagcc cctagaaatc aattcgtagc gctacagact 300
 cgatggtgga tgatgcctga atgatttgca ttttaaggag atccggataa ggattgatgg 360

tggaagaaaa aagaaaaccc tctaggac

388

<210> 9494
<211> 282
<212> DNA
<213> Glycine max

<400> 9494

agcttgggtcc ccaacactct gttcaagctc tcccaaaatc tagaggtaaa tctaggatct 60
ctatcagata ctatgctaga tggcacacca tgtaacctga caacctcact tatatacaag 120
gtgggtcaact tcttcaagga aaatatgata ttaatgggaa cgaagtgagc agacttaatc 180
aatctgtcaa caataaccca gatagaatct aaacctctag gggtcctaag tagtcctacc 240
acaaaatcca tggaaatact gttccacttc cactggggta tc 282

<210> 9495
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9495

tttctnntta tgaaacatat ngaaactgat ttgctagtct tctatggcca tttgtagttt 60
cctcttcccc atgtctacca cacagcttgt ggtggataga aaaggtcttc caagaattaa 120
gggaatgtca gcattctcat caatgtccat cactacaaaa tcagctggaa agatcaaatg 180
tttgacctta accaaaaggt cttcgatcac tccatatggg cttgtgaatg agcgaccaac 240
catttggagg gtcattgctg tggcaattat ctctatctct ccaagttgcc ggcacatgga 300
gagagggcat taattgatac tagctcccaa gtctatgaga gctttacca caaacacct 360
ttgccaatgg aacatgggat agtgacactt tccggaatct ttgtgccttt aggggaaaga 420
tgcggtgaat acccacacta caatttcctt tcaatactaa tcataccctg gggatttccc 480
ggtttttttt 490

<210> 9496
<211> 610
<212> DNA
<213> Glycine max

<400> 9496

agcttgtaat aaataaataa aaacaaagtt ctttacaagt ctttacttaa aacggaacaa 60
 ggaattaaag aatgaccaag cttgattaca cacactccct aattgttttg tttgttggtg 120
 ctataattag atcatgtctt acaaaaagga gatctaattt aagaacattt aaatacaaaa 180
 gtgtcatctc ttacttttta tctctagtat gaattatata ataacatcat atttacgttt 240
 aattatttga cattcgaatt aataaacttt aaatacaaag aaatttaaag tggatatggac 300
 gatcgacca cagaaatatg taatccttta acttcaaatt atgtagcatg aaaaaatcta 360
 aaataacaag aatgggttagt ttactgaaaa gatcctatta taattcgtaa agtgaactaa 420
 tcaatattta taaatacgag tttttatttt agaacatata taatatattt taatcttggg 480
 aaaagtgtga ctttatcatt atttaatatata ttaaaacctt aaagctaatac aatttttttt 540
 tacattatta tctcccaaaa aaattatcct aaattttttt atggaaaaaa ttttttaaaa 600
 ttttagctttt 610

<210> 9497
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 9497

tcacatgatt gatagtgggtg ttagatttgg tcaatttgaa ggcaagatat gggaggagtg 60
 ataaaaatttt cactgaattg cttgtgttgt tgaagaagat gatccctaaa gataacaagt 120
 tgttgaatat tcactatgag gtgaagaaaa tactatgtcc tattagtatg gagtaccaga 180
 aaatacatgc atgccttaat gattggatac caaaaaatga gtttgcagaa atgcataagt 240
 gccctacatg tggggtatcg tgatacaaag tgaaggatga tgactacagt aatgatgaaa 300
 gcacacaaaa aaaccatcca acaaaggtgt gttgctatct tccaataatt tcaatgctta 360
 agtgattctt tgcttatgga g 381

<210> 9498
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9498

agcttttagtt gcccttatt accttaaata aacaaagcct gtggtaacta tgaattcaca 60
aaggtatcac aattaaagaa attcaaatac ttcaaggatt gcagacaatg tggtcacaac 120
taaaaaattg cagagctaaa aacttctaac taaatgctta ggtgtaacat aaatgggaaa 180
atcaaaattt tgatacttac tgggtatagt tcaaaatcaa tatctggccc aatgtttaat 240
atgttcagaa cctcagcttt tgccaagtca tcctatttaa cacttggtcaa gaactcattg 300
atgctctctc ttgtttgaac agaggcagca gtgtcaacca aataatcata aacctgctag 360
atatacaaca cattcatcta ccaaataaaa cttacaagta ttcctattta ttagaaaaac 420
caaatctaac cttgtatnca gactatgcta ctttggc 457

<210> 9499
<211> 490
<212> DNA
<213> Glycine max
<400> 9499

tgtaatcgat tacacacaaa ctgtaattct attaccagag catattttca gaaaatattc 60
tcaacagtca catcttttta tttgggtctt gaatggctat caaaggccta tatatatgtg 120
acttgagaca cgaatttgaa aagagtttcc caaaacaaaa aggtcttatt ctcttaaaaa 180
gcaaaatcca ttatctctct tacaattcc ttggccaaaa cacttggtgat tcaataagga 240
attatttgag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttcttgctct 300
cttctttatt ctgaaaaggg ataaagagat cgagggtctc ttgttggtgaa agaattctaa 360
acacaaagga aggattgtcc ttgtgtgttt aaaacttgta aaaggaattt acaagatagt 420
ggaactctca agcgggttgc ttggggactg gacgtaggcc ccaagggtgtg gccgaacca 480
gataaatctg 490

<210> 9500
<211> 440
<212> DNA
<213> Glycine max
<400> 9500

agcttgaaat gttagccaac gaattgtatt attataggcc ttgagtcata agcgattctt 60
ggcatcttgt tctgaacttt gcacatttat gatgttcttc atgtgctttg actgattcaa 120

caagtcttta caagccttta ttgcattgat atgtggcgag caaggactat ctccaatgtg 180
attaacaaat gcacaatttt ttcagcatta acctttctac atgatctaaa tccttgtata 240
ttaagacatt tgatccaaaa atgatcactt tgctttgtac tgaatagatc gcataacaga 300
cagttaactt tatcattaaa tggggaatac tttatcccaa aatgaaacat tttaaaccaa 360
gtacattgga aatgccttgg atcgttctct ttaaaaaagg gtaattttgg aattttattt 420
ggtatggacc ccctttgata 440

<210> 9501
<211> 313
<212> DNA
<213> Glycine max

<400> 9501

tataatatat tgatacgctc gaaattaaac ctcggaagct ctccacaaat tcaaattggc 60
ataactattc acacggatgt tcaattatgg cgaatcacat atcgagacgc taaaaattga 120
acagcggaag ctctcgagaa attcaaattg tcataacttt taacactgaa ttccgattca 180
ggattataat atatacagac gctcgaaaatt aaacattgga aggtctggag aaattcaatt 240
ggttataact tttcacacgg atggccaatt cgggcgtata atatgtcgac acgcttgaaa 300
ttgaacaacg gaa 313

<210> 9502
<211> 380
<212> DNA
<213> Glycine max

<400> 9502

ttgatgcaac atatggagag gttaatgaaa caacgagatg atgcgctcca tgagagggtg 60
gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggg 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcttcatt taaaggaaag 180
aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgccac 240
aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccca ctatgctctt 300
gggtggtgga accagctaca aaaggagaga ccaagaaatg aagagccaat ggttgatata 360
tggaaccgaga tgaaaaagat 380

<210> 9503
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 9503

agcttataat atattattac actcgaaatt aaacatcaga agctctcgag aaattcaaat 60
 ggtcataact tttcaccggt atgtccgatt atggcgaatc acatatcgag acgctcaaaa 120
 ttgaacaacg gaagctcttg agaaattcta atggtcataa cttttaactc ggatgtccga 180
 ttcaggcgca tcacatatag aggcgctcga aaaggaacaa cggtagctct cgagaaattc 240
 tcatggatcat aactttccac actgaggggc gattaaggat tataatacct cagcagctc 300
 gcaatttttc actcgtaagc tctcaagaaa ttca 334

<210> 9504
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 9504

tctggtgga catcttgact tgctttccta tctgacattc accacagatt ctgccttctt 60
 ctatttacag attgggaatg cctctaacaa cacttttgac aatgattttt ttcatactc 120
 ttaaagtcca atgtccaaat ctttgatgcc ctattttgac ttcattctct ttggagaata 180
 gacatgtgga ggaataactg gcttcttgag gtgtccatag gtaacagatg tactttgatc 240
 tgctgccctt cattataact tcaactctct tatttgtgaa caagcattct gactttgtga 300
 agttcaaatg gaatccttta tcacacagct gactgatgct gatcaagttt gcattcagtc 360
 cctttaccaa caagactttg t 381

<210> 9505
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 9505

agcttgagaa actcatccaa ttccacagta tacaccatca gatgaaaccc aatgaaaatt 60
 ttgaagcaac tgagcgagcc aaagatgaac cgaggccaaa ccaagggcct tcccaggaca 120

cactcttctt ccagaccga aagggtgcaa cctcaaata gacccatta tgctcacatc 180
 ctcttccaca aaccgtctcg gcctaaactt ctggggtcg gccacaccc tctgtctgtg 240
 ggttatggcc cacatgttca ccatcgcggt ggtgcccttg agaatacgt gcttgccgcc 300
 aaccgtaacg tctgtcacag caagggcagc ccacgagagt agcgggcctg gtgggtgcac 360
 acggagggtt tcttttacta tgcactgaag ggagcgcagg ttt 403

<210> 9506
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 9506

agcttaagct ctttcaattg cacaatgctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga tcttataccc 180
 atatcagcta gatcttgacg ggtattcaag ccatacttgc tcttgccttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360
 caactctgaa ctttatectt cttttgggtc ttcccaaata cagtgtttat gtgttgaacc 420
 cgctgatata cc 432

<210> 9507
 <211> 484
 <212> DNA
 <213> Glycine max

<400> 9507

tcaagaaaaa gatggcctca gcaaactcct tatttccata agggaattct atcaatagac 60
 ctccaatctt taatggagag ggttaccatt actggaaaac ccaaatgcaa atttgtattg 120
 aggcaataaa cctaaatatt tgggaagcca taaaaatagg gccttatata cccaccacag 180
 tggaaagaat tacaatagat ggcagttcat caagtgaag tataacttta gaaaaaccta 240
 tagatagatg gtctgaagag gatagaaaac gagtacaata caatttaaaa gccaaaaaca 300
 taataacatc tgccctggga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgta aaaagatcta 420
agataaatgc cctaactcat gagtatgaat tatttagaat gaatgcaaat gaaaatattc 480
aaag 484

<210> .9508
<211> 399
<212> DNA
<213> Glycine max
<400> 9508

tgcacacaag atttccttg cctggcactt caaaaccttt tggttggggc atataaatgt 60
cttccgctaa atccccatgc gagaatggag ttctaacatc taactgctcc aagtgaagat 120
tctttgtagc tacaatactc agaataactc tgatggtagt catctttaca actaaagaga 180
agatctgtgt gaaatcaatt ccttgttctt gctgaaaccc tttcaacaca cgtctcgctt 240
tgtatcttct tctaccgtca gattcttctt ttagcctata caccactta ttctgtaaag 300
ctttctttcc ttctggaaat gtaattaaaa accatgtctt attcttctga agggatgaca 360
tctcatgttt cattgctagc tcccactaaa tagagtcatt 399

<210> 9509
<211> 420
<212> DNA
<213> Glycine max
<400> 9509

tcaacatcag accacttcca ggggtgctgga actacttctc atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaagaggta tgccatggtt gttgcggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240
cagagagttt gaaaacggca agtttactga attctgcaca tctgaaggca tctcatga 300
gttctctgca gccatcacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360
gcaagaagct gccagggtca tgctttatgc caaaaaactt ccctataatc tctgggctga 420

<210> 9510
<211> 303
<212> DNA

<213> Glycine max

<400> 9510

acatctaact gtttcaactag aggatacttt gtagctgcaa gtctcagaat agctctgatg 60
gtccatatct tgacaactac aaagaacatc tatgtggaag agattcctcg ttgttgctga 120
aaccctttca ccacaagtct cgccttgat cttcttatac cgacagattc ttccttttagc 180
ctatagaccc acttattctg taaagctttc tttcttctg gaaatttcaa tataaaccat 240
gtcttattct tctgaagggt ggcattctatt tttattgtag ctccactaat agagtcattc 300
cct 303

<210> 9511

<211> 280

<212> DNA

<213> Glycine max

<400> 9511

tgaatcggac atccgtgtga aaagtgtga tctttctatt tactcaagag cttccattgg 60
acaatttcga acatcgtgat atattataag cctgaatcgg acgttcgcgt gaaaagctta 120
gaccatctgt atttatcacg agcttacgtt gttcaattac tagccccttg acactttatg 180
cgcctgaatc ggatatccct gcgaaaagat atgaccattt gaatatctgg acagcttttg 240
atgtttaatg gcagcgtttc aatttattat tagcccgaaat 280

<210> 9512

<211> 373

<212> DNA

<213> Glycine max

<400> 9512

tcaacattca atttcgagtg tctcgatata ttacgggtct caatcagaca tccgagtaaa 60
acgttattgt cgtttgaatt ggctcaaagc ttcaacattc aatttcgagg ttctcgatat 120
attgcgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaaa tggctcggag 180
cttcaacatt caatttcgag agtctcgata tatgatggga ctcaatcaga catccgagta 240
aaatgttatt gtgcgttgaa ttggctcaga gcttcaacat tcaatttcga gggctctgat 300
atttaccgga ctcaacagac atccagtaaa agttattgtc gttgaatggc tcaagcttca 360

acatcaattt cag

373

<210> 9513
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9513

tccatcaagt tatgaccatt tgaatttctc gagatctttc gtggntcaat ttcgggcgtc 60
tccatatgtc atgtgcctga atcggacctc cgtaagaaaa tttatgacca tttgaacttc 120
tctagagctt ccgttggtta atttcgagct tctcgatata tgatgtgcct gaatcggaca 180
tccgagtga tagttgtgac aatttcaatt tctccagagc ttcggttggt caattttgag 240
cgtctcgata tgtgatgttc ctgaatcgga cctccgtgtg ataacttatg accatttgaa 300
ctgctctaga tcttctctggg atcaatttcg ggcgtttcca tatgtgatgt gcttgaatcc 360
gacctccgtg tgaaaagtta tgac 384

<210> 9514
<211> 395
<212> DNA
<213> Glycine max

<400> 9514

ctaagctatg ctgctacatt tatatagacc tctcagcat ttttctttct tctcagaata 60
attatgacct ttcgagcaat agatacaatc cagggttgag gaatcatcaa tatctgagat 120
ggacaagtc tccataacaa caataacctg tccctctttt ccagaatggt gctggtccaa 180
gcaagccata tgttctctct ccaatacagc cacatgttgt aggaagtaca tatacttttg 240
acttgcttta tgaggtacag gctaaggaac cttcttcttc tctaccctg agtctctcca 300
ttggtcaacc accaccaca ccagagttga agcccttacc agctaacctc aattatgctt 360
acttgaggga caaggaaata gttccagtga tcatc 395

<210> 9515
<211> 378
<212> DNA
<213> Glycine max

<400> 9515

tgaaggtaga agacgatgaa tggagggaga atgtgtctta catggcctct atttatagct 60
 taagtgtcac acatggcctc tatttattca aatttcactt gaatttgaaa atgaatttgt 120
 ggagccaaat tttggagtca aaatctcact aattatgatt actgaatttt agctatggtt 180
 cagctcacta atccaagatc aagtccaaga ttctccacta agtatgggta ggtgtcatga 240
 ggcatgtaaa acataaaaga catgcacaaa gtgtgactat atgatgtgac aatgggggtgt 300
 agcaagcaaa tgctcacctc cccctctaaa attaaatgga tgggcttctc tcaattaatt 360
 aaatttattc caaccaca 378

<210> 9516
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 9516
 ttatacaact gaaacatggg agagaagtag tgtacacttt gcatcgatcat tctctaaaac 60
 ctcatcacc cttacagatga ttgaaaaaaa ctcttaattg aagtcaaagc acgaaaactgc 120
 gccgataccg gtgactagtg agtaggtctt ccagtggggt gaacacctga atactgtatt 180
 cggaaagacc caaaagaagg ataacagtaa gacttgcata tggaagaaga ggtccatttt 240
 ctttgatctt tctgatttgg ctgatctaaa tgtagacat tgtatcgatg ttatgcatgt 300
 agagaaaaat gtatgtgaca gtgtcattgg ggcgctcctt aacatttaag gcaagatgaa 360
 agatgggtctg aatac 375

<210> 9517
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9517
 tctgggtggga catcttgact tgctatccaa tctgacattc accacatatt ctgccttctt 60
 ctattttcag attgggaatg cctctaacag cacttttgtc aaggattttc ttcattgcctc 120
 ttaagtgcag atgtccaaac ctttgatgcc atattctgac ttcattcttct ttggaggata 180
 gacatgtaga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac caagcattct gactttgtga 300

agtttacatt gaatccttca tcacacagct gactgatgct aatcaagttt gcagtcagtc 360
ccttcaccag cagtactttg ttcagactag gaagttcatc atgaactagc tttc 414

<210> 9518
<211> 384
<212> DNA
<213> Glycine max

<400> 9518

actaagctta accaagggag atggaccatt tcaagttctt gatttaatca atgacaatgc 60
ttacaaagtt gagctgcccc gtgagtataa tgttagttcc accttcaatg tctctgattt 120
atctcttttt gatgcacatg gagaatccga tttgaggaca aatccttctc aagagggaga 180
gaatgatgag ggcacatgacca atagcaaggg caaggatcca cttgaaggac ttggaggacc 240
tattgatgag gacacatgacca acagcaaggg caaggatcca cttgaaggac ttggaggacc 300
tatgacaagg gctagagcaa ggaaagccaa tgaagctctt aacaagtgcgt gtccatacta 360
tttgaatata gccagtttcc agga 384

<210> 9519
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9519

ntatccaact taaacatgga aagaagacaa tatatatctg gctctgaaga tttctaaaac 60
cttatcaccg gtatcgacga ttaaagaaag cttttaatga gagtcaggaa aatgaaagtg 120
ccccaaaacc attagctaga aaagaagtgt atgatcgggt caaggacata gtaactatca 180
ttgggaaaac ccaaaaaaag ccatcatctg agacaaacat atggaagaaa aggtcaatat 240
tctttgatct tccatactgt tctaactctg atgttagaca ttgtatagat gtgatgcatg 300
tggagaaaaa tgtttgtgat agtttaattg acacccttct taacattaaa gggaagacaa 360
aagatgggtt gaacagtcac caatacttgg tgaaatggga tccgacatc 409

<210> 9520
<211> 388
<212> DNA

<213> Glycine max

<400> 9520

ttgatgtttg agttgaatgc attaaaggta aacagacttt atgttataaa ttatgtgcat 60
atagagctac agacgtcttg gaattgatac atacagacat ttgtgggtca tttcatatac 120
cttcatggaa tggttaacaa tattttatat cattcataga tgattactcc agatatgcac 180
acctgtatct tatacatgaa aagacacaat ccctggatgt gttcaaaaca tttaaagttg 240
ttgttgaaaa tcaactcatc aaaagaatca atagagtcag atctgaccgt ggtgggtgaat 300
actatgtgcg atatgaacgg tcaagtgaac aacgtcctgt gccttttggc ggaacctata 360
gaatgtggaa ttttccatag ttacacat 388

<210> 9521

<211> 329

<212> DNA

<213> Glycine max

<400> 9521

tctacacaca caatgaccc accaagaccc tttgcattat catcagtggc agacattatt 60
ggactttctgc cactcttaaa ttcagccaag acccaatccc tttcatcctg gtttttatca 120
ccatggatgg atagtgtctg ccatccatac actctcattt gtctggtaac ttgaacacat 180
cccttttttg tctccataaa tattaaaatt cggctccgt ccatcacttc ttttagcagc 240
ctgattttatc tacattttca agctaaagtg ttaatttggg aagaaaaagc atcaaacact 300
gtcgggtctat tattattgat gacgcaaac 329

<210> 9522

<211> 337

<212> DNA

<213> Glycine max

<400> 9522

acaaatgggt gttgggtcaat gtaccacatt taatagcaca cactaaaaga acaagaaaaa 60
cagaccaatt tctaggcgtc tcagaaaaaa acttagacaa gacagttcac ctaataagtt 120
tttggaatag tagtaaacad atttgtgtaa atacataacc taccagagtt cattggactc 180
catcgctgga accgaaaagg agatgggtatg ttgagaacag aagcaccaca aacactgtta 240

tgcttgagaga tgggaagata ttgccctcgg aaaaaccctg gcgtccaatt gccgatacat 300
gatagagcac aaagaagaag aatataagaa agcaaca 337

<210> 9523
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9523

tcacatcttt ataaagacat actcgattga gagggattta catttttaaan gnacggagag 60
gatatgatgt atttaaggta tgaaaagtct ttatacctaa aaaatgtttt aaaaaaatat 120
ttcttaattt atcatgatat ttgtgtaaaa tattttattga taatgaattg ttattaaata 180
actagctggg actgtttttt ctctagtttt acacaataac tgataaacca aaaggcctaa 240
tttgagaaat ataagttata caaaccta at gaacacttat aatatattat gccataaaaa 300
tatattta at tgtatatata ttagaaaatc tccaaccaat aaatccatca taggttttctt 360
atttaaagag aattttatct aatacatctt agagtaaata ac 402

<210> 9524
<211> 442
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9524

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aatctctgga tgaagcaaca actagaagac tttggggtaa ctcttgatta cattcctcta 120
aaatatgata acaactgtat aagaatcctg tcatgcattc tagaactaaa catatagaga 180
ttaagcatca tttctaagag atcatgtatc taaagggtgat tgttgcatg aatttggttg 240
tagtgaacat caactagcta acatctttac taaacctctt gctagaaata gggtcttcta 300
gtcaagggtg tctacacatg tggtagtgtc gaccttgaag gtaatctttt ctttactatt 360
aatggagtag acattgtcat agatgctgct gtgtgaaagg aagttattag tctggacatt 420
gggtggagtcc gcaagtttga tg 442

<210> 9525

<211> 349
 <212> DNA
 <213> Glycine max

<400> 9525

agcttgcata caagattctc cttgcctggc acttcaaaac cttcttggtg ggtcatatag 60
 atgtcttcct ctaaattccc atgcaagaat gcagttttta catctaactg ctccaagtga 120
 agattctctg cagctactat gtcagaata actctgatgg tagtcatctt tacaactgga 180
 gagaagatct ctgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
 gccttgatc ttcttctacc gtcagaatc ttcttttagcc tatagacca cctattctgt 300
 aatgccttct ttccttctgg caatttagtt aaaagaaccac gtcttattc 349

<210> 9526
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 9526

agcttgattt ttgtttatct taatccctgt aacatactcc attggcagaa tctgcattgg 60
 aaacatagat aatagataaa taagctcaga cataaaatgg aaaatatgtg cattactaca 120
 tttggcataa taagagccat gaagggttaa cctgtgggtg ggtataatcc cagtagattg 180
 taggaacttt cacataatcc atgttcttaa agttacttgc aaacaattct gcattagcag 240
 cctccttggg gtaatcaatc tctgaaaat tattaatcca tgttgagta acaggatccg 300
 agaatgtatt cgctgagaac acgtgcatac atcataccat aa 342

<210> 9527
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9527

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 ccacataaac taacagagca atgatagtgt tgaatccatg cttgagaaac aaagaatgat 120
 atgaagcaca ttgcttgtag ccatgtgaga ttagaaagaa agacagcctg gcataccact 180
 gcctgctggc ttgtttcagt ccatatagct aataacattc ttatgctgag gcatataagt 240

taaaacctta atctttgcat tcattgcctc tatccatata ggatccttag aagcttcatt 300
ataggattga ggttcaagac tttgtgtaat ggataaaatg atattgtgat aagaaggaga 360
caatttgcta tatgaaagaa caatattata ggatagagac aagta 405

<210> 9528
<211> 331
<212> DNA
<213> Glycine max

<400> 9528

attatgggtg gtaagaatga taaatggatg ccctaactta tattggcgcc attttcagac 60
tgcagtgggtg atggcatgga gctctcgga atagtggag gcgtgatgta accgggggca 120
gaaaaacttg ctaaaataag ccaagggatg gccctgttgc atgagaacaa ccccatcgc 180
gatacctgaa gcatcagtct taagtgtgaa tggtaatgaa aaatcatgga tggccaagac 240
tggggcctgg gtcattggctc gcttgagtc ctctaaagcc gattgagcac cctcgccca 300
atggaagtta tctttttgta acactgcggt t 331

<210> 9529
<211> 388
<212> DNA
<213> Glycine max

<400> 9529

agcttctgta cctgagttac tggatctttt aagacaacag ggagtgaaga ttgctgaaaa 60
ccctatcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattttga aagacgcctc tgttctgat gctgagaaag atgttccaac 180
atcctccacc ccagatgttg ctgtccctga agctgatgaa gatgtcccaa catctttcac 240
cccgaatgtt tctgtgcctg atgttgagaa agatgttcca acatctttct ggccaaatgc 300
tgaagaactc tcttccccca gcaaagagag atcatcagag gaagatgatc aagcctcaga 360
ggagaatcct gcaccacggg caccaaaa 388

<210> 9530
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9530

ggcacatgta cagacccatg attgtcttta ccagttgagc ctcagcctgc agagccatgg 60
ttttacttct ttttcgtgcc ctactccgga ccagttcang gcagaggtcg catagcctgg 120
agattggcct gagggccggg caggagaggc accagcagag gctcccgcag aggcagatga 180
tgcccgcgag gacgaagaga tggtcgattt acttgatttc ttacgagggga gcggagccac 240
atgattggga gatccctgtg tccatatttc tttttgtttc cttttttctt gttatatatc 300
atcttatttc tgcttgacta acggactaac gtttgttttc ttgatgtgtt gattgacttt 360
tgtttttgac atacatatca tttgagttgg tacgtccgta tatgt 405

<210> 9531
<211> 323
<212> DNA
<213> Glycine max

<400> 9531
agcttgttca cctccttttt caccacatct agaatgatgg gggtgagtcg ttgctgtggc 60
tgcctcactg gcttagctcc atcctctaaa agtatectat gcatgcaggt agatgggcta 120
atgccaggaa tgttttctaa agtccatcca atggatttct tgtgcttctt gagcactagc 180
agcaacttct cctcttgctc agtagcaagg gaggcaaaga tgatcactgt aaatttttcc 240
ttgtcctcaa agtaagcata cttgaggttt actggtaagg acttcaactc tgggtgtgggt 300
ggtggctgaa cagtgggagg aac 323

<210> 9532
<211> 434
<212> DNA
<213> Glycine max

<400> 9532
taagtcctt caactgcaca aggctcttaa tgttcgaata gtatccttgt gtaaccttca 60
cccgcgaag aactgacaa aaacttatct tctccttttt ggacaaggta tggcaagcta 120
ggggcaagta aattttcttc ccattagacc ttggatgcaa ctgtgatcgt atgcccatat 180
cagctagatc ttgacaggta ttgaagccat ccttcattct gccttgaatg ttaaggagag 240
tcccaatcac actatcacia acatttttct ccacatgcat aacatcaata caatgtctaa 300

catcaagatc agatcagtac gaaagatcaa agaaaatgga cctcttcttc catatgcaac 360
tcttacttat atccttcttt tgggtctttc caaatacatt attcacgtgt tcaacccgct 420
gatatacttg ctca 434

<210> 9533
<211> 445
<212> DNA
<213> Glycine max

<400> 9533

tgtaatcgat tacacacata ctgtaatcga ttaccagatg atattttcag ataataattct 60
caacagtcac atcttttcat ttggttcttg aatggccatc aaaggcctat atatatgtga 120
cttgagacac gaatttgcta agagttttca taacaaaaag gtcttatcct cttaaaaaagt 180
aaaatcgttt tattctctta caaattcctt ggccaaaaca cttgtgatta aataaggaat 240
tatttgagtg ctcaaattgt tcaatctatc tctttcaaga tttcttcttc tcttctttat 300
tctgaaaagg gattaagaga ccgatgatct cttggtgtaa agaaatctat acacaaagga 360
agggttgctc ttgtgtgatt cagatattgt aataaacctt tacaagatag tggaactctc 420
aacgagggtg cttggggact ggacg 445

<210> 9534
<211> 428
<212> DNA
<213> Glycine max

<400> 9534

tattaagaat agaatcgaaa gtttgcaagc aatatgttca aaagcttgtg ttttgaata 60
tcattgttgg aactaaagac aatatatatt ccatttccag aatatagcct aattaccttt 120
gcaactgact ttgaagggtg ctctcccttt agtctaacat caacacactg cttcacctta 180
tcttactaa gctttggtgt tgctgataa aatccaatga acaaaatcag aatgtgtaaa 240
atcaaaaaat tgaaagggga agaaaacaca aaaataatta tcaacagaac agcatcaagt 300
aatattggt acccaagtca caaagctttg ctgtcctctg ggtagtgtat gatcaaccgg 360
tttacgttca gttaagagtt tactaatat aacttcgaag ctatagacat cactctttga 420
agtgagtt 428

<210> 9535
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9535

agcttctata gaggtttttg cggactgctt gtcttatcat accagcaata ctttcaccta 60
 caatattgaa aagcaaggga actaggggat ccccttgtct caaaccctt gtaaggataa 120
 attccttaga aaggctacca ttaatcaaaa tagatatagt tgctgagcgg aggcaagctg 180
 atatccatga tctccatttt gggcagaaac ccaacctaaa cagcatgtaa tccaaaaaag 240
 accaagacac tgaatcatag gctctttcaa aatccacctt gaagatcatc actggtttct 300
 tatttctcct tgcttctca accacctcat tgaggatcaa gataccatgg agaatatgcc 360
 tttct 365

<210> 9536
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 9536

tggggatgaa cgtggacagg gatgctagtc tactattcat tatctggact tcttggatgt 60
 tagtaggact atgcatctcc aatatagttg tgcatttgtc gggaatgtgt gagcataaag 120
 cctaggaact tgctccacc aaccccaaaa atacattttt cggggttaag gcgcatgccg 180
 tatttgcaga tctctccgaa gacctcttcc agttctatca tgtgttgggc tatgctatga 240
 gacttgacaa ccatgtcgtc gatgtagacc tcaatgtttc attcgatctg ctgtttgaaa 300
 attcgatcca tcaatctcta gtatgtagcg cctacatatt taaggccaaa cggcatgacc 360
 ctatagctaa cagtgtcatc ttcagtgatg aatgtctgtt tcttctatc tatagtatgc 420
 atccaaatct 430

<210> 9537
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9537

ctaagcttaa gataaagatg gcctcagcaa attccttatt tccataatgg aattctatca 60
atagacctcc aatctttaat ggagaggggtt accactactg gaaaacccga atgcaaattt 120
ttatcgaggc aatagatcta aatatatggg aagccataga aatagggcct tatataccca 180
ccacagtaga aagagtctca atagatggta gttcatcaag tgaaagcata accatagaaa 240
aacctagaga tagatgggtct gaagaggata gaaaacgagt acaatacaac ctaaaagcca 300
aaaacataat aacatctgcc ctaggaatgg atgagtattc cagagtttca aatcgtaaga 360
gtgctaaaga aatgtgggac actcttcgat caacacatga gagaactaca gatgtctaaa 420
gacctatgag taatgcactc ac 442

<210> 9538
<211> 365
<212> DNA
<213> Glycine max
<400> 9538

tgaatgcaaa ctggatgcat tgtttaattt ggtgacttat ctggccttga atcagaaatc 60
tgtaccatgc gcaaggggta gtggattgag ctctataact gaccaccata cagacctttg 120
cgcttacatg cagcaacctg gagcaataga acagactgat acttatgctg tagatattca 180
caatagacct tctcaatctc aacagcaaaa ttaatcacag ctgaacaatt atgacctctc 240
cagcaacaga tataacctg gatggaggaa tcaccctaac ctgagattgt gcatgcctta 300
gcaacaacaa cagctacctg ctctctcggt cctaaatgct gctggcccaa gcagaccata 360
cattc 365

<210> 9539
<211> 356
<212> DNA
<213> Glycine max
<400> 9539

tcatggattt ctcataagct taatatctta taggattctt attcatgagt caattctagc 60
acgagctttt caagttgtat gggactaagc tgcgtatgat cactgcttac catcctcaaa 120
gtgatggaca aactacagtg cttgattgag tcttggaaca atatttgtgg gtgttagtgc 180
atcataagcc atcctatcgg gaaagtttct gcatcttgct gaatggcgct acaaccccac 240

tacttatttta tccactaatt taacactcga tgaaattgct tatggtaagc ctactctaag 300

tctttacatt atcaagctgg aacctttgcc tggaacaat tgatttttct gacttg 356

<210> 9540

<211> 407

<212> DNA

<213> Glycine max

<400> 9540

agcttataat atatcgatag gctcgaaatt aacatcttta ctctcgcgaa attcaaattgg 60

gcataaaattt tcacacggat gtccgattcg ggcgcataat atgtcaagag tctcgaaatt 120

gaacaacgga agctcttgag aaattcaaatt gggtataaaa tttcacacgg atgaccgatt 180

caggcaaattc tcatatcgag acgatcagaa ttgaacaacg gaagctcttg agaaattcaa 240

atggtcataa catttatctc gaatgtgcaa tttaggcgca tcacatatag tgatattcga 300

aattgaacaa cagaagctct tgtgaaattc aaatgggtcat aacttttcac actgagggcc 360

gaatcacggc tttaatatat cgatacgcct caaattaaca tcggaaa 407

<210> 9541

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9541

tcgggaggaa cctagacagg gatgctagcc taccatttag ttcntgaact tcttagtcgg 60

tgatcgagtt gtgcatctcc aatatggcag tgtatttatg ggggttagct tcaatcccct 120

ggtaagtgat catgaagcca aggaacttgc ctccgcttac cccgaaagta catttttcat 180

ggtggaggcg catgtcatat ttgtggagtt ccccaaagac ttcttccaga tccattatgt 240

gttaggctat gctttgagac ttgatgacca tgccgtccat atataactcg acgtttcatc 300

caatctgtcg tctaaatact tgggtccatca cccgtgggta tgtagcgcat gcatttttag 360

gccaaatggc atgaccctgt atacacatgg caagtttgtg gtagataatg 410

<210> 9542

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9542

agcttgaata acggccttgca ggtagccttg agctgngata tgaacctggt gatgtagttc 60
aagcgcccca agaaaccca gactttcttt ttagtgcacg gcttctgcat ttcgaggatg 120
gctttaactt tttcggggtc aacctctatc cttttttggc ttacgatgaa acccaacagt 180
tttcccgaatt tgacctcgaa agtgcacttg gctgggttca accttagctg gtactttcgc 240
aacctctcga acaacttccg taagttgatt agatgctctt ctttggtttt ggacttagaa 300
atcatatcgt ccacatacac ttcgatttct tgggtgcacg tatcggggaa caaagctacc 360
atcgcttgct g 371

<210> 9543

<211> 360

<212> DNA

<213> Glycine max

<400> 9543

agcttgaaac tatcatgtat caattcctct tgaaactgta tgaaagacaa gtattaaggt 60
taaaattaaa tcccaacagt aatccccaca tgaacattat ccttccttaa aatggagaac 120
acaatttgaa tccctcaata tgatatgaca aatgaaaact cctgatatat atatatttca 180
tagcagaaca atctccacaa actcattctt aaacatccga attggtgcac ttgtttgaga 240
agcaagtaat cccaatttct cactgtgata agcaagacca acctcctttc cctctctatc 300
catgtcatgc aaataaaaat tcatatcatg aacataacca acttccttag ttcttctacc 360

<210> 9544

<211> 369

<212> DNA

<213> Glycine max

<400> 9544

gagccaatta agacgacaat atctttttac tcggatgact gattgagtct cgtcatatat 60
cgagacgctc gaaattgaat gttgatgctc tgagcaaatt caaacgacaa taacttttta 120
ctcggatgctc tgattgagtc ccgtcacata tcgagatgct cgaaattgaa tgttgaagct 180
ctgagccaat tgaaacgaca acaacatttt actcggatgt ctgattgagt cccgtaacat 240

atcgagacgc tcgaaattga atgttgaagc tctcagccaa ttcaagcgac aataactttt 300
 tactcggatg tctgattgag tcccgtcata tatcgagacg ctcgaaattg aatgttgaag 360
 ctctgagcc 369

<210> 9545
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 9545

agcttagtaa agctaggcac taacaatctc cccctttggc aaattttgtt taaaacatac 60
 ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120
 cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180
 catctcacat gacatcagct ttctgcttct gctccccctg tctccatgct cttactgcag 240
 catcttctat cagctactag tcttttccag gatgtcaaga catctcatgt gacatcagct 300
 ttcccttgtc tccatgctct tactgcagca tcttctatca gctactagta gcttacatca 360
 gtcacatca gcagcagcag tctccccctc aaaatcatgt acatacaact cccctcaaaa 420
 atcatg 426

<210> 9546
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9546

agcttcaaca ttcaattntg agcgtctcta tatattacgg gactcaatca gacatccgac 60
 taaaaagtta tcatcgtttg aattacgtca gagcttcaac attgaatttc gagcgtctcg 120
 atttattacg ggactcaatc agacatccga gtaaaaagtt atcatcgttt gaatttggtt 180
 acagcttcaa cattgaattt agagcgtctt gatattattac tggacacaat cagacatccg 240
 agttaatagt tattgtcggt tgaaaatact cagagctttg gtattcaatt tctagcgtct 300
 cgatatatta cggaactcat tcaggcatcc gagtaaa 337

<210> 9547

<211> 208
 <212> DNA
 <213> Glycine max

<400> 9547

agcttgtgaa caaggatgac atagaggatg tgagaagaga ggttcaaadc atgcaccatc 60
 tctcgggtca acctaacatt gtggaactta aggggtgcata tgaggacaaa caatcgggtgc 120
 atttgggtcat ggaactttgt gcgggtggtg agctttttga tctgtataatt gctaagggac 180
 attacactga acgtgccgcg gggtttttt 208

<210> 9548
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 9548

agcttatcaa gtggaattat accaaaagttt ctatggcagg atagatcact ttaattaatt 60
 ctgttttgac agccttgccct ctgtttttacc tgtcttttctt caaagctcct tcagcagtgt 120
 caaagaggct tatttccgatc caaatgaatt ttctatgggg tggaggcgct gaatggaaaa 180
 agactgcttg ggtggcctgg gatcatatct gtgctcctaa aaaacaagga gggttacgaa 240
 tcatagcctt caaggacttt aatagatccc cttcttatta aat 283

<210> 9549
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 9549

caggcactgg tattcatgtc ttatctaggc ctatagagta tgtgcatctt gaaatatagg 60
 gaccatctag agtgaaaatt catgggtggaa gctcatactt tctcaccatc atagatgatt 120
 tctcaagaag agcatgtctg tatgtttcga agaataaatc agaagctgtt caaatattca 180
 tagagtggaa aacacttatt ggaaatcaac ttgggtcaaa actaaaaata ttaaggactg 240
 acaatggcct gtagttgttt cagagcaatt caatgagtgt cgcctgaaat taggtattaa 300
 aaggcacaaa acaatccgtc acacaccact acagaatgga ttatcagaaa g 351

<210> 9550

<211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9550

cagatgccac tctactctaa attgttaaag gatatttttaa caaggtatca caagtgtatt 60
 cactgggaaa acattgtcgt ggaaggaaat tgtactgctg tgattcaaaa gatccttcca 120
 cccaagcata aagaccctgg gagtgttaacc attccttggt caattggaga agtcactgtg 180
 ggaaaggatc ttattgacct gngagccagt attaacttaa tgccactctc catgtgcaga 240
 aggttgggag agttggagat catgcgcact atgatgactc tacaacttgc tgaccgctcc 300
 atcatcagac catattgagt aattgaagat gtgttgggtca gagtaaatat tttatcttcc 360
 acgcaacttt gcggtaa 377

<210> 9551
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 9551

tgtgtagccc accatctttt catagtagaa tactgataat gtgtctacta ttattgtcat 60
 catttttttc tccgtcattg aggtgccact tgagctgccg ggtctctcca cctttgggag 120
 tattcttttg aaggattcgt gccccctttt tgcacatgtt tcgcacttgc atcctatccg 180
 aagccattat actgacactg tctaacgaag gcaaccatta ggtccttcca agaattggact 240
 ccggaagggt ccaagtgagt gtaccaagta acagctaccc cagtaagact ttcttggaag 300
 gaatgtatca gcaattcttc atcttttgca tatgccccca tcttctgata atacatcttt 360
 agatgggtct cgggg 375

<210> 9552
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 9552

agcttaaaca ttcaatttcg agcgtctcta tgtattacgg gactcaatca aacatacgag 60
 aaaaaagtta ttgtcgtttg aatttgctct gagcttcaac attcaatttt gagcgtctgg 120

atatattacg ggactcaatc aaacatccga gtaaaagggtt attgtcgttt gaattggctc 180
 ataggttcaa tattcaattt cgagcgtctc gatataattat gggactcaat cagacttccg 240
 agtaaaaagt tattgacgtt tgagttggca cagagcttca acattcaatt tcgagcgtct 300
 cgatatatga cggaactcaa tcagacatcc gagtaaaacg ttactgtcgt ttgaatttgc 360
 tcagaggttc aaaattca 378

<210> 9553
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9553

cttgatctgc ctctatattn taacaatccc atcctccctc cagataatga gtttctgggtg 60
 gagagtagat ggcacagccc caactccatg gatccattcc cttcctaata gcaagttaaa 120
 attggccttg gactgtatca ccaggaatag agttgggtcga actatactgc ctacagcaac 180
 atctacttga atgggtccca aagaatagcc agttttgccc tcataattag agagcacaat 240
 gttgtgagca gatagatcag tgtcatgtct cccgatcttg tagagcatag atcgaggcat 300
 taagttaaca gccgctcctc catctatgag cactttgttg attccaacat tgtcaacttc 360
 tgccctgatg aacagagggt tgagatgact cttcatctga aaatctggc 409

<210> 9554
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9554

agctttgggtg agacccatcc actggttttc tcccagagat gacttcaagc aagaatacgc 60
 caaaggcaaa tacatcagtc ttctcatcca caactccatg caagtagtac tcaggggcta 120
 aatgccttca aaaaaacatg aaaaaagttc aatggacatc cgagaccctt tgaaacacca 180
 aagagagtga aatatataag tatggtaggg tatatcatgt gataagaaga gagagacaaa 240
 gataaatgag agatgatagt ggagtgggta aaataatgaa atatttgtgt atcatgaccc 300
 anaaaatata acacttttcc tttaaaaacg aagtttatac tccaatatac tactactaat 360

gtgttttgaa actcgggtga

379

<210> 9555
<211> 375
<212> DNA
<213> Glycine max

<400> 9555

agcttttgct ggctatcgct tcaatgcatt ggacacccgt atcatgcgtc ttaaagacga 60
catgatcttc atccgacgtt gttttgatcc tcttacggat tcttagacgt tttcttctat 120
tataagttcc taattttcta gacattttac tattttttcc ttgcatttgg ctttagttat 180
ttagcacttt ggttaatttt gtgttttgct ttggatattt agcatttggg ttatgctttg 240
ctttggatat ttagcatttg gttggtttat gttttgcttt ggatatttta gattctgttt 300
tgcaatggat gattagttat tgttattgat tgtgatgctt gctctagcta ttttgtgggt 360
ctttatacac ctctg 375

<210> 9556
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9556

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acaacagcgc ccaatgcaat gagaaaaatc tatcaacagc tgtttcaaca aactctcctg 120
tatgatcccc tgataaataa tatagcaata ggtgatcaag aacacacgaa aaccatattc 180
acaagctttc attgttggat attgttttgc atatgtggca caaaatccta ccactcacac 240
gtcataatcc tgtcagagaa caaggtatga gcaaaaaaac aaaatataaa tgtcaaataa 300
atctttgtca acatgataag aaatagaagt gattcaaaat cctgacctgc agtgaanatg 360
ctaacaacta taatggtttc 380

<210> 9557
<211> 390
<212> DNA
<213> Glycine max

<400> 9557

tagaccttga atgaaagggt gagttcttac caagatgaat aacactctaa ctatccacaa 60
atagtagata tttatcttga acaaaaccaa gtccttgcaa gaatttcttc acccatagca 120
actccttgca tgcttcagta atgacaatga attttgcac tgtagtagac aaagctacac 180
acctttgcag ctgggactgc caagtcacag ctccccctac aaatttaatc aaattgctca 240
aagtggactt catagaatca atgtctccag ccatactctga gtctaagtac cccaccaaag 300
tatgcttata accaccaaaa caaagcctca tatcaacagt accatgaaga tacctcaaaa 360
tccatttcac aacattccaa tgctctctac 390

<210> 9558

<211> 428

<212> DNA

<213> Glycine max

<400> 9558

tctctctttt cttgattatt atcatttggt ttaagccttg tatttggtca tattattatg 60
atatttgaac atttagtatt tctttttcta tttgcttagt atgattgaac aattaggaat 120
tatgttatat gaccatgtgg tttttatata tttgaactat tcatgtttct tgcttcatga 180
ttggtttgga tttttcaatg aatgtcttgc gtatgattag tcatttgtgt atgttttata 240
tttgttacgc actttggctt tttgttgatg ccaaaggggg agagaaaata atgattaaat 300
taagaaactc acataataaa ataacttaat ttcaagtaaa gcttaaactc aaaaacaaag 360
ggggagaata tggagaatta agtgagtgat cgacaaggaa aaactatgtg tatgtgtttc 420
ttaatttc 428

<210> 9559

<211> 282

<212> DNA

<213> Glycine max

<400> 9559

gaacgaatga attatgctcg ttgttggaac attcaggccc cgggcgctca tactgttctt 60
cccacttata attgattcgt ggcgttcttg ccggtggaga gcttaaata ggcgtctcaa 120
gagcactgat ggagcccctg tggaagtaga ggtgggtgaaa cttgtgagaa gatgctttag 180

actaagcaat ggagaggttc ttgagccatg gaatgaagtg agtgccatca cgattgggaa 240
 atttgggtgtt attacgggat gatgacccaa cgcttgtatt gt 282

<210> 9560
 <211> 459
 <212> DNA
 <213> Glycine max
 <400> 9560

tatatacaat ataggatata tattgaattg gtgttatcaa tcacatgtac atattgacta 60
 ttgtttaaga gaaagggtcag aaaaaataa catagttgaa tcaacatcat tatcaatgtg 120
 attagaatga taaaaaaacc taacaaatga aatccaagac atcacatgat aattagaaaa 180
 atacaataac aataaagaat agtaatatta aaaattagat atacataaat aaatattatg 240
 tacagagaaa aaaatgttca aacaacaaca tttttgttga tccggaaaat accgtaattt 300
 gtgcctaaat cgagaccaat ctagatccaa ttgtgattta aaaatcacia ttcttaagaa 360
 gaataaatta ttctgcattc taaaacatat ttaatgatct agcatgaaaa tacattgcaa 420
 ccataaataa atattggtag ctatcaacaa taaaagctc 459

<210> 9561
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9561

tctgtccctg aganactggt tcccagaaga caactgggag tgaagattgc tgaaaaccct 60
 agccttgcaa caagtcctag ggaagtagac acggagatgg acaagaaaat ccgcggtatt 120
 gtgagtagca ttctgaaaga tgcttctgtg cctgatgctg agaaagatgt tccaacatct 180
 tccaccccaa atgtttctgt gcctgatgtt gagaaagatg ttccaacatc ttccacccca 240
 aatgtttctg tgctgatgt caacaaagat gttccaacat cttccggccc aaatgatgaa 300
 gtactctctt cccccagcac agagagatca acagaggaag atgatcaagc cgcagaggag 360
 acccctgcac caagggcacc agaacctgct ccagggtgacc tcattgactt agaagaagtc 420
 gaatctgatg 430

<210> 9562
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 9562

cttgatggtg tcgagaagaa atcacatggt tgtcatcatc taaaaggggg agaattgtgaa 60
 tgtatgtata catgattttg atgatgtcaa agaagaatct aacaaggctg cttcaaataga 120
 taagcatttg cttcaagaat aattcaagat tgcttcaaca aacaaagcct tgtttcaaga 180
 ttcactaaag accaagtctt gccttaaaac aatgtgcttt caagacatgc aaggctctgg 240
 taatcgatta ccaggaagtg ttatcgatta ccagaagaca gggttgagaa atagctgttg 300
 aaaaagggtt tgaatttgaa ttttcaacat gtaatcgatt accatatgtc tgtgatcgat 360
 taccagcaac gaaacttttg aaattcaaatt tcaaaagtcg taacccttca aattataact 420
 gtgtaatcga ttacacaaac attgttat 448

<210> 9563
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 9563

tgtgctcatg ccacaattgt tagtcgcggc tataccagac atcttgccaa acaaagtcag 60
 ggtgatgata actcgcttga gctttttctt ccatgctata ttagtagcaaaa ctattgatcc 120
 agttatgtct gatgaaatgg aaaatgagcg cgcaattata ctatgccaat tggagatgta 180
 ttttccccct actttctttg acatcatgat tcaattgaat gtgcatctag tctgagaaat 240
 ccaatggtgt ggtcctgttt atctaccgcg gatgtaccg gttgagcgat acatgaag 298

<210> 9564
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 9564

gcttatcaaa tcagacaatg gatatgagtt tattacgaaa cagttctatg atgatattgg 60
 cattacacat caatgttctt gtgttgaaac tccaacaga atgggattgt tgaatgaaaa 120
 catcaaataat ctattaaatg tcaattgatc cttgttattt cagtctaatt taccatctat 180

ttttggtctt atgccttgat tcattatggt ttccttggtta attgtatgcc tacttttttc 240
 cttggtaatc aaactcctta tgaaaaacta tatgaaattg tatatgatat tgagtcttta 300
 aggggtattc ggtgtctatg ttttctagta ctttgacagc taacagaaag aaccttgacc 360
 caagagctgt tacttcagtc tttttg 386

<210> 9565
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9565

tatctaactg attcacaata cttgtgatcg attaccctag attctaaaca ttttaatttt 60
 caaaatttaa aatgaagagt cacatctggt gatgtgtaat cgattacacc ttaatggtaa 120
 tcgattaccg gtgactaatt ttgaaaaata aattttccaa agtcacaatt cttcaagtga 180
 cttgtttctg aaattttttt ttaaaagtca caacttttta agtgactagt tttttaaaga 240
 gtcacaattt ttgaaggggt actagtttta aaaaaatttc caagagtcac aaactttaac 300
 ttgagtcacg aagagattat aaacatgtga ccatggcatg aatntcagaa catcatctct 360
 caacatcttt caaacaatct tttcaacgct ttctacagaa ctttctaaat catttctcaa 420
 caatctttct acacagttta taacat 446

<210> 9566
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9566

agcttatgct gcaaacatct acaatagacc tctcaacct cagcagcaaa attagccaca 60
 atagaacaat tatgacctct ccagcaacag gtacaatccc ggggtggagga atcatcccaa 120
 ccttagatgg ttgaatcctt cacaacagca gcaacaacaa caacaacctt attttcagaa 180
 tgctgctggc ccaagcagac catacgttcc tccaccaatc cagcagcaac aacaataaca 240
 gcaacagccc cagaaataac aaacagttga ggctcctccg caaccttccc ttgaagaact 300
 tgtgaggcaa atgactatgc aaaacatgca gtttcaacaa gagaccatag cctncattca 360

gagcttaact aatcaaattg gac

383

<210> 9567

<211> 488

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9567

ctattacgtg acactatgaa actcagctta tgcctctntg ataacccttt ttacttttgg 60

gatctttcca atatcttcta gcatcaagtc aagacaatgt gcagcacatg gagtccaaaa 120

tatttttggg ctcgtgactt gtaaaatttt acctagaag atcaaaatca ataaacttgt 180

atgagtagtg taacaattaa aagttataac tataaaaaaa aaacttcatt aagcatgatt 240

gaattctcat ccgccaacac ataattactt ccattgtccg tcaccacttg aataacattc 300

ttttctccaa tctcctcaac aaagctatcc ataagctcaa agatcttccg accagtcttc 360

atgtattcaa aagcatccac actcctcaca aactgtgttc ccaatgaaca atctaccaca 420

aagttaatca aagttttata ctctctatct gttcaaccat ctgacataag ccctttgtgt 480

attccaac 488

<210> 9568

<211> 377

<212> DNA

<213> Glycine max

<400> 9568

agcttgaaac tgtcatgtat caatttcctt tgaaattgta tcaaagacaa gtattaagat 60

taaaattaaa tcctaacatt aatccccaca tgaacattat ccttccttaa aatggagaaa 120

acaatttgaa tccctcaata tgatatgaca aatgaaaact cctgatacat atttcatagc 180

agaacaatct ccacaaactc attctttaac attcgaattg gtgcacctgt ttgagaagca 240

agtaatccca aagcaacatc cgatttctta ctgtgataag caagaccaac ctcttttccc 300

tctgtatcca tgtcatgcaa caaaaaattc atatctggaa cataaccaac ttccttagtt 360

cttcttacga tttcatc 377

<210> 9569

<211> 451
 <212> DNA
 <213> Glycine max

<400> 9569

ctcagcttgc tttcaatctc ccccttggtg atgatgacaa cccttatatc aagaaacaca 60
 tacacatact ttttcctagt cgattattca cttaattctc catattctcc ccctttggtt 120
 ttgagtttaa gcttcacttt aaattaagtt atttaattat atgagttctt gatttaatcc 180
 ctatttttctc tccccctttg gcatcaacaa aaagccaaag tgcataagaa atataaaaaca 240
 tacataaatg attataatat cactagacat atatcatcaa aataattaag tttaaaactc 300
 ataacaatta agagtaagta aatataatca tgttcagtta tactaatcaa atattaaaag 360
 aaatactaag tattcaaagt tcataaaaat ataaatcatt tgggtaagtc actagcatct 420
 tgcagtccta attctcttct aatggcgtag a 451

<210> 9570
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9570

tatcctgtca tgttcattag ttcaaaaatt atccagaaga tggagctagg ttaggaacag 60
 gtacgattgg atagagaaaa ttccacctt tcaggctttc accttgctac tacgcaattg 120
 ttttgctcca ccaccaccac taccacaatt gttgctacga tgtaccagca ttgttgccac 180
 cacaaccatt gctactgttg ccatcactac tattgctgct gccatcacta gcatgtatca 240
 tgattgcttc tataattggt acctctactg acacaaccac tatcactaca ttgcccagga 300
 tccgatgggc tcaaaaatga taattgcttc cagtcaactt gngtggttcag aggagataat 360
 caccatcgct gctgttcttt cgtccagggt gaatcttttg ctgtagtcat g 411

<210> 9571
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 9571

tcttacaag catacggctt tctggatgta gatgatgata tctatacaga tggatcttat 60

atatctatat atctatagat agatatatag atatagatat atagatatag atcatacaat 120
 gaagtaccgc acgagtgggt atataggaat ccaaactctgc cgaatcactc atgttatgat 180
 cttctacatc ctaagtcttc ccgttccttc atctggctta tgttcttcat gtagcattca 240
 cactgaatga ctctatgaaa ttacgtcgct acttccacat ggtacgggta acgtatgaga 300
 catctctatt tttcccgggg ggaatactta gaattaccac agcttagctt tcaat 355

<210> 9572
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 9572

cttatgtagg ggttaaattc gaattaagta tgatgggaaa gtttaattta ttccttggac 60
 ttcaaataca gcaagaatat gaaggcatat acatacatca aaccaagtac ttgaaagaac 120
 ttttgaagaa gtttaagatg gatgatgcaa agcatatgaa aatgcctatg catccaacca 180
 ctatactttg actagatgaa gaatcaaata atgttgaaga aaagacacat agaggaataa 240
 tacaatctct tttgtatgta actgcatcca gacttgacat tatgttcagc gtatgtcttt 300
 gtgcacaatt cctaaaggaa ccaaagggaag ttcactatct tgttgtcatg catatatcga 360
 tgactaatag gaactccgaa ccttgggtta tgctataaga gagaaaagaa atac 414

<210> 9573
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 9573

agctttggag aaccaagcca atcattatgc tagacgaaat atagatggga atagaggtaa 60
 caatggcggg aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctggac tgggaaatga agactgagca 180
 cgtatattgcc tgcaatgact aactgatgc gcagaaagtc aagctagcag cagctgaatt 240
 ctccgactat gcccttgttt ggtggcataa ataccaaaga gaaatgttga gagaggaacg 300
 gcgagaggta gatacatgga ctgagatgaa aagggatgat agaaaaaggt atgtgcccac 360
 tagctataac agaaccat 378

<210> 9574
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 9574

tatttagatc agattctatc attttaaaatt tattgaacgt gtcaccatac tcttccttgt 60
 tccatctctt caccctcatt tttagattct taaatttttc cttgagcaca aaacctcccc 120
 atcctggttg caattgagag ttccagcatt ggtggacaac tttcttaaag gatacatccg 180
 agagccagca gtccaaaact ataaaagggt gagggcccca atcaacaacc tttgatcgaa 240
 gaagaatagg acaatgatct gaaaagttcc tggcaagtgt catttggaca cttgcaggcc 300
 atctattcag ccattccggg gaaaccaagc acctgtccag cctactccta gaagcccat 360
 taggtatgat ccattgtaaac ttctgcca gccaaaggaac ctcaagcaac tccagttcgt 420
 gaatcctatt attgaatttc aatatactgc tgtcactaat ac 462

<210> 9575
 <211> 314
 <212> DNA
 <213> Glycine max

<400> 9575

gcaagcttcc acttattagt gcacagcttt ttgatgcac cttcctagga agggaccaat 60
 cactaaaacc atgagcaaga ggctccaaga agattgggct agagcttgtg aaaaaagccc 120
 taaggttctc atgaacctta aggtagattt ctgagcccat gggccaagggt tgggtccaat 180
 tatctttgta catattaaac taggatgtca ttatatttgg tccttgata taggggtcca 240
 tattgtaggg agggtagcct agaaatatag gatatttcag cccttgatt ttttgggcac 300
 ctagactagt tttt 314

<210> 9576
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 9576

atgcaatcct ccctaggaag ggaccaatca ctagaacat gagcaagagg ctccaagaag 60

attgggctat agctgctgaa gaagggcccta cggttctcat gaaccttaag gtagatttct 120
gagcccatgg gccaagggtg ggtccaatta tctttgtaca tattagacta ggatgtcatt 180
atatttggtc cttgtatata gggctccata ttgtacgtag ggtaccctac acatatagga 240
tttttcagcc cttgtatttt ttgggcacct agactagttt ttgtatt 287

<210> 9577

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9577

agctttacag cagatgcccc tttactccat gttcttgaag gatatgttaa caaggaaaca 60
taagtatatt caccaggaaa aaattgtagt ggaaggaaat tgtagtgttg tgattcaaaa 120
gatccttcca cccaagcata aagaccttgg gagtgtaact attccttgtt caattagaga 180
agtcactgtg ggaaaagctc tgattgactt gggagccagc attaatttaa tgcattctc 240
catgtgcaga aggttgggag agttggagac catgcccact aagatgactn tacaactggg 300
tgaccgctcc attaccagac catatggagt aattaaagat gtgctgggtca gagtgaaca 360
ttttatc 367

<210> 9578

<211> 427

<212> DNA

<213> Glycine max

<400> 9578

tcagtcctt caactgcaca aggctcttaa tgtttgaaga gtatccttgt ggaaccttca 60
cccgacgaag aactgacaa aaacttatct tctccttttt ggacaaggta tggcaagcta 120
ggggcaagta aattttcttc ccattagacc ttggatgcaa ctgcatcgt atgcccatat 180
catctagatc ttgacaggta ttgaagccat ccttcattct gccttgaatg ttaatgagag 240
tcccaatcac actattacaa acatttttct gcacatgcat aacatcaata caatgtctaa 300
catcaagatc agatcagttc gaaagatcaa agaatatgga cctcttcttc catatgcaac 360
tcttactctt atccttcttt tgggtctttc caaatacatt attcaggtgt tcaacccgct 420

gatatac

427

<210> 9579
<211> 418
<212> DNA
<213> Glycine max

<400> 9579

cctatggttt gtaagaatga taaatggatg ccctaacata tattggcgcc attttcagac 60
tgcagtgggtg atggcatgga gctctcggat atatgtggag gcgtgatgta accgggggca 120
gaaaagcttg ctaaaataag ccaagggatg gccctgttgc atgagaacaa ccccatctc 180
gatacctgaa gcatcagtct taagtgtgaa tggttatgaa aaatcacgga gggccaagac 240
gggggcctgg gtcattggctt gcttgagtcc ctgaaagcc gattgagcac cctcgtccca 300
atggaagtta tccttttcta acagtgtggt taaaggggag gcaatggaag catagcctct 360
tgataacttc cgataaaacc ctgttagacc caaaaatcca cgtagagaat gggatttg 418

<210> 9580
<211> 212
<212> DNA
<213> Glycine max

<400> 9580

aatgcagagg ttcgaaccat cgatgccatg gtttgggttc tctatctctc ggagatagac 60
atgtggaaga gtcactggat gcttcgggtg cacagaagta acaattgtcc cttggtcagc 120
tggccttcaa tggaactcta cgtcctacat gaggaaccta tcattgcgac accttgacgt 180
gcacatcgaa tacatcatcc acacaactga ct 212

<210> 9581
<211> 471
<212> DNA
<213> Glycine max

<400> 9581

gggttacctc cttcttcact acatcaagaa tcaccgggtt aagtcttctc tgtggcagcc 60
ttactagttt agcccaatct tctaaattta ttcatgcat acatgtggat gggctaatac 120
caggaatgtc cgccagggtc cagcctatag cttcttatg cttcttgaga atagataaca 180

gcttctcctc ttgctcatca gcaagggagg cagatataat tactggaaaa attttgctat 240
catccaagta agcatatttt aaatttgatg gtagaggctt caattctggt gtgggcggct 300
agatagtggg agaaagagat ggtttctcag cctgtacctc ataaagaaat tcagagggtat 360
gtgtacttcc tgaacatggg ttagttctat ctgactctag aaaatcaatc tcaagaggta 420
aaacatcaact aggaatgtaa tcaatataaa tttcagattc actctcagca t 471

<210> 9582
<211> 475
<212> DNA
<213> Glycine max

<400> 9582

actcaagctg ccaataatat tagtttgagt ttgagtactt cttattaaaa aaattagctc 60
tgatcctttg atcaaatata ttatatattt aacaaactaa cttatcatat gtataacgta 120
tgcacttata ccttatcaaa atcaaaaataa accattaact cacattatta attttcaacc 180
ctgtccatgt gcagatcaat ttaacttatt ttctttaaat aataattcat cttttagttt 240
aattcttata tattttttaag gttctcactg ctatatgtta tttttaaaat aatcattaaa 300
aaatcaataa ttgtcaatta tatgaaaatt cataattaac ataataacgt tataccttaa 360
ttaaatcgct tatttctatt aatcatcttg aatatctttt ttataataa ctaaacaatt 420
ccatgtcgat acgagttatt cgatttactc tcaattcttt tattatatct atact 475

<210> 9583
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9583

acgccccggg atcctctgag tcacctgagg atgcagctta tcatttagta aactttatta 60
aaactttaaa cattatggca tataagatga tttttgaata tcgttaatgg aatacaatct 120
tacttaaaat ggataaaatt attatagaag atatttataa attaataggg tattgggatt 180
catgactaac tatcagtatt atttaggacg tatttctact tatggagtga aaaaaattat 240
gtaaaatgag aagtaattat ggatgtgtct attattaata taaataaaat atcctataaa 300
cagaatccaa ttaaattaaa aaaaataaaa taaatgcacc tttcttttca ctctgtacgc 360

gcttctcacc ttntacagca aaatagaaaa tctaaaatta attta

405

<210> 9584

<211> 431

<212> DNA

<213> Glycine max

<400> 9584

tggaattgtg agttatgact aagttctgtt atgtttattg caatattttt gtaggtatga 60

caaaggagca' tacttggtttt tgccatcgta tgttatgaga gtacatggag caaagcagca 120

acgtgaagca gttaagaggg ctccaagag tcaacttgat cctgtttttg aggttgggat 180

attcttttct aaaatgtatg tgcatttgta agtctgtctg tggctgcag ttaatagttg 240

ttgaaattaa ttctggtatt attgtgtaac taggccctta atacccttg caataccaaa 300

tggagggtaa acaaaagggt gctctgtgtg atagatcaca tatgggctaa tggaggacgc 360

cttgctgatt tgggtggatcg tgaaatgtga gtactaaaca aactttttgc taaatctatc 420

tgttgactcc t 431

<210> 9585

<211> 376

<212> DNA

<213> Glycine max

<400> 9585

agcttgttgc actagcataa acaaggagtt gagcaactgc ttctggtctt ggggtgcatg 60

gcaatccttt ggcaggaaaa attctaaaac aaaatcagcg gaggcactcc ggagtggaat 120

gccagagca gcatgcaagc caaacatggt agcatgatgt gccagaggat actccgcctt 180

gctgaaggaa gtaatgtcat ttgcaaaaca aggtttggtg gttgtgaaag ctgtcccaac 240

tactccttgc ccccccaaaa ggtggcactc agagcaggct tccaggaaac ccattagctc 300

tacatccgcc acaaaactag cagcatacac agtcgacaca taattcatct catcgtttga 360

atgccacat ccaactc 376

<210> 9586

<211> 359

<212> DNA

<213> Glycine max

<400> 9586

agcttctgtc cctgagaaac tggttcccag aagacaacag ggagtgaaga ttgctgaaaa 60
ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
tattgtgagt agcattttga aagacgcctc tgttcctgat gctgagaaag atgttccaac 180
atcctccacc ccagatgttg ctgtccctga agctgatgaa gatgtcccaa catcttccac 240
cccgaatgtt tctgtgcctg atgttgagaa agatgttcca acatcttccg gcccaaatgc 300
tgaagtactc tcttccccca gcaaagagag atcaacagag gaagatgatc aagccacag 359

<210> 9587

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9587

gcatagtata acccttcagt ttcaattcag agtctccata aatgaggaat tgttcttttag 60
atcttcttaa gtacttaatt atggtcttaa ccactttcca atattcctca ccagggtttg 120
cttgatatcg actagttaca cctagtgcac aagcgacatc aggatgtgta caagtcatgg 180
tgtacatgat agctcctact acactagcat atggtactct actcatgcgt tctctttctt 240
caggagttat tgaacaattc tccctactaa gagtaattcc aacacctata ggcaaacagc 300
ctcgtttgga attattcatg ttatatctct ntaagatagt atcaatgtac atagattggg 360
agagtccaag caacctnta gatttatctc tataaatctt tataacctaga atatagactg 420
tttctccaat ccttcatgg 439

<210> 9588

<211> 450

<212> DNA

<213> Glycine max

<400> 9588

cgacatcgac caacaacgta gactgacatg tgtatcactc gtctatttga tcttgatttc 60
actttccccg tgatattcta ttgtcaatat tctggaagtg ttatacatat ttttaagaggt 120
caaagattaa acttgtcaaa gactcaaaaa taaaataaaa gtccattcaa agaaataaaa 180

tgatgtttta gttatgcata ctaatTTTTT attattaata ttcaaattag atatTTTTTTa 240
ccacaagtgc ctttttatat ttttcatttt aattacttac atatcagtgc atcaccatgc 300
cgcgtttcat gttatggaaa aaataatttt taaacaatct tgagttgata aatgatgtaa 360
tataataaga aaaaagatta aaaaagatta ttaactgaat gcttattggt tttataaaat 420
ataatcactc ttatatgttt taatccttca 450

<210> 9589
<211> 371
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9589

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acttgatatt tgtctctttt atagatgact ttacaaagaa aatttgggtt tacctgttac 120
aaagaaagag tgaagtattt gtaacattta aatcattcaa gttactagtt gaaaagcagt 180
ctgattgttc aattaagatg cttagaacta atggtggagg aaagtacact tcacttgaat 240
ttgataattt ttgcaaggaa gaaggaataa ttcattgatg aatggctcca tacactcctc 300
aacacaatgg aactgctggg agaaggaana naacaatgct aaatatgggt agatgcatgc 360
tgagagagaa g 371

<210> 9590
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9590

ntcgagagat tcaaattggtc ataactttta actcggaagt ctgattgagg cgcattttat 60
atcaagacgc tcgaaattga acaatggaac ctctgagca atttaaattg tcataacttt 120
tcactcggag gtccgattca cgcgcataat atatcgagac gctcgaaatt gaacaatgga 180
agctcttgag caattcaaatt ggtcataact tttcactcgg aggtccgatt caggcgcata 240
atatatcgag acgctcgaaa ttgaacaatg gaagctctcg agcaattcaa atggtcataa 300
cttttactc cgagggtcga ttgaggcgca ttatatatcg agacgctcga aattgaataa 360

tggaagctct tgagcaattt aaatggfcat aacttttcac tccga

405

<210> 9591

<211> 437

<212> DNA

<213> Glycine max

<400> 9591

tctaaacttt gtacaagaat gaagctctga taccacttga tagacaagtg gcctcagata 60

tcttaagaag ggggggggttg aattaagata ttccaaactt ttctcctaata taaaaatcta 120

tcttactttt tacttaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180

aatgaagcaa cttgaatatg aatataacgc aataataaat aaaggagatt aagggaagag 240

aaaatgcaaa ctcagtttta tactgggtcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaaccgc cttgagagtt ccactaactt gtaaattcct ttacaagtt ctaaacacac 360

aaggacaacc cttcctttgt gtttagagat tctttacaac aagagactca cagtctctta 420

atcccttaga gaatgag 437

<210> 9592

<211> 380

<212> DNA

<213> Glycine max

<400> 9592

agctttgaat gctctattca atggagttga caagaatata ttcagactaa tcaacacttg 60

cacagtggcc aaggatgcgt gggagatcct gaaaaccact catgaaggaa cctccaaggt 120

aaagatgtcc agactacaac tattggctac aaagttcgaa aatctgaaga tgaaggagga 180

agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240

gggagagaag atgacagatg aaaagctggg gagaaagatc ctcagatcct tgcctaagag 300

atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360

tgaactcatt ggttcccttc 380

<210> 9593

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 9593

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gtttggtttc ctaccattga atagttcata tggagttttc tttaaaattg gtattattaa 120
agccctattc atgatatagc atgcagtatt agcggcttca gcccataaat attttgaag 180
aggagtatca ttttaataagg atctagcaat ttcttctaaa gacctatttt tcctttcaac 240
aactccattt tgttgagggg ttctaggtgc agaaaagtta tgttcaatgt catgcttatt 300
acaaaataaa tcaaattctt tattttcaaa ctcaccnca tgat 344

<210> 9594
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9594

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tatggagctg atgcatcata cccaattagg gtatattgac tcattagtag tcccaggaga 120
aatatgtagg gtttgctctt gattccatca tcgttttttag tattgaaatg agtgaaatca 180
aacttgagac cagctctttc cgttgcaaca attgaaatga gtatgataag aacaaaaaca 240
cctaaaagtt tcccattca aattagttgc ataaacaatt gctgatttcg atatttgttt 300
gtaattgaaa ttacctttt gtatgttctt ttatgtcatg aatgtaattt tctatataaa 360
caattgttat tcatgctgag tgaaccttag attcccgttt gagattgaat gcaatgattc 420
ttgcggatag ttgcattag tcattgtatt tagtc 455

<210> 9595
<211> 457
<212> DNA
<213> Glycine max

<400> 9595
ttgcatcttt ttcatggcaa gatttgccaa gttagcttca tctctttcct tggctgcatc 60
aactgggtgcc atggatgata tcagctcaat aagtacaacc ccaaagctat acacatcact 120
cttgtccttg agcctgtaca attggaaata ttgaggggtca agatacccta gagacccttg 180

tggagctgtg gagacatggc ttacatcatt ggggagcaat cttgaaaacc caaaacctgg 240
 taccttaatc gaaacactaa tgtcaagtaa aatggtgttg gttttgacat cacggtagat 300
 gatattagaa gtatggagat aaagaacaaa actaatgatt tgtgctccaa aactaacaaa 360
 tctccgcaa ttgtttctac actcctacta tttatgcaaa tattttatgg aaaagcatag 420
 ataataaata gtgacattaa ccatacatga gaagcat 457

<210> 9596
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 9596

gagcttctaa actttataca agaatgaagc tctgatacca cttgttagac aagtggcctc 60
 agatatctta aaaagggggg ggggtgaatt aagatattcc gaactatttc ccctaattaa 120
 aaatctatctt cactttttac tcaaggtatg aattccctta atgacaatct tcttaaatat 180
 taattcaaata gaaacaattt gaatatgaat ataaagaaat cataaactaa ggagattaag 240
 ggaagagaaa atgcaaactc agttgtatac tggttcgggc acacccttgc gcctacgtac 300
 agtccccaag caaccgcgtt gagagttcca ctatcttgga tatte 345

<210> 9597
 <211> 457
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9597

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 gcacgagctt ttcaagttgt atgggactaa gctgcgtatg agcaactgctt accatcctca 120
 aagtgatgga caaactaaag tgcttgattg agttttggaa caatatttgc ggggtgtagt 180
 gcatcataag ccataccta gggataagtt tttgtatctt gctgaatggg gctacaaccc 240
 cactactcat ttagccacta atttaacctc gtatgaaatt gtttatggta agcctcctcc 300
 tagtatttcc aattatcaag ctggaacctt tgccgtggaa gcaattgaat tttttctgac 360
 tttgcgcaa gaaaccttcc acctacttat gaagaagctt gaaaggccta ngaacatatg 420
 aaaaagaatg ttgatactca tcgtcgagat gtcaatt 457

<210> 9598
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 9598

agcttgtctc aataagtgtg ctcgatttga tcaattgaca ttattggtct ttatcaataa 60
 taaaattttc agtaatacca tcaacagatt gcttgagcat caagtgttgt aagaataaaa 120
 tgggtataata aacatacttg ctgagtcctt gagctgcact ctatataata tgtagctcct 180
 accagtttac gcaattcctc accctgatta tggacaaaac ccaaaagttt caataaacac 240
 tgcttattga actcttttagg tggctaataa agtaaggcat agtacttgct cagaagtcac 300
 aagcgccaga ccaggattat cagtcaaata aaaataaagt tatttttatg atatgaattt 360
 a 361

<210> 9599
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 9599

agcttctcaa ggaagttacc tagtctataa ataaaagcat gtgtaacact tgttataact 60
 ttgatgaatg agagtcttgt aagacacaac tcaaagttca acttctctcc ctttttcttc 120
 ctgttaatttc gtgctccctc ctctctttct tttagcagat gctcaccccc ccctctaaaa 180
 ttttaattgga gtgggcttct cccaattcaa ttaaatttat tttcaaccac acacatcaaa 240
 tattcactta atgctgtgcca aattagaaaa ctacccttaa tacaaaaaac tagtctaggt 300
 gccctaaaat acaagagatg aaaaatctta catttctagg gtaccttaac tata 354

<210> 9600
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 9600

agcttcaaca ttcaattttg agcgtctcgt atattacggg actcaatcag acatccgagt 60
 aaaaatttat tgtcgttttg attggctcag agattcaaca ttcaatttcg agcgtctcaa 120

tatattacgg gactcattca gacatccgag taaaaagtta ttgtcgtttg aattagctta 180
gagcttcaac aatcaatttc gagcgtctcg atatatcacg ggactcaatc agacatccga 240
gtaaaaagtt attgtcgttt gaattggctc agagcttcca cattcaattt cgagcgtctc 300
gatatattac gggcctcaat cagacatccg agtaaaaaag tat 343

<210> 9601
<211> 376
<212> DNA
<213> Glycine max

<400> 9601

agcttgttgg agttcactga gagcttcttt aggtttatga gctcaaacc c tattgtgtct 60
ggcagcttgc tcagcttggt gaagtttgca ttcagctctt cttaaagctct gctagggtcaa 120
aattcatcac agcatgcaac atgcatgcat gttaagataa tgaaccaagt aataatcaac 180
atgaataaat tctgatacac acaatcacia acacaattaa tcacccttat attaattaca 240
atcaattaat cttatttggt tcttgacgc ttctgatcat gtcatgtcat tttgatttgc 300
aaggaataac aatgttgatt ttgtgatgta agagctagaa atgctcaatt aatgcatggc 360
atgttgaaat tagaat 376

<210> 9602
<211> 354
<212> DNA
<213> Glycine max

<400> 9602

agcttccact tattagtga cagtcctga tgcaatcctc cctaggaagg gaccaatcac 60
tagaaccatg agcaagaggc tccaagaaga ttgggctaga gctgctgaag aaagccctat 120
ggttctcatg aaccttaggg tagatttctg agcccatggg ccaagggttg gtccaattat 180
ctttgtacat attagactag gatgtcatta tatttgggtcc ttgtatatag ggctccatat 240
tgtaggtagg gtaccctaga aatataggat ttttcagccc ttgtattttt tgggcaccta 300
gactagtttt tgtattaggg gtagttttgt aatttcacat gcactaagtg gata 354

<210> 9603
<211> 364

<212> DNA
 <213> Glycine max
 <400> 9603

tgtctctcaa tactatgaat ctgttcatct tcaagccttt tgtgagaata tccgcaagtt 60
 gcatttcagg actgcagtag ttcaagtcaa gttgtttttt gctcaccttt tcacgaagaa 120
 agtgaaatct cgtctctatg tgttttgatc ttccgtgtac tattggattc atggccaagc 180
 tgatactgga attgctgtcc acatacaatt cgaactggcct ctaaatttct attttctatt 240
 cttccagtaa agagtctagc catagtgtct ggcatgcagc atagcatgct gcaatgtact 300
 caacctcgca agaagataat gctactacat gttggttctt tgaacaccag cttattggtg 360
 cacc 364

<210> 9604
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 9604

tggaaggtag tcatacctca caaaatatat atatgtatgt ttaggtagga agataccata 60
 gatatgcatg tatgtaaaca aaaaaatact tcacaaaata tatatatatg tatgtttagg 120
 tagtgaaaat accttagata tgcattgtatg taaacaaaaa aatacttcac aaaatatata 180
 tatgtatgtt taggtagtga aaatacctta gatatgcatg tatgtaaaca aaaaaatact 240
 tcacaaaata tatatatgta tgtttaggta gtgaaaatac cttagatatg catgtatgta 300
 aacaaaaaat atacttcaca aaatatatat atatgtatct ttaagtagga agatacctta 360
 tatatgcatg tatgtaaaca caaaaaatac ttcacaaaat atatatatat atatatatat 420
 atatatatat 430

<210> 9605
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 9605

tatttgtaaa gaaaccctga accctacttt gtcaaatacc cattaaaact caatcaatca 60
 agtaatccta aaccattatc tttgaaatac cctaatacca taactagcaa agtaacccta 120

aagtctaatt tgtcaaataa ccataaatac ccctaaacca taactagcaa agtaacccta 180
aagtctaatt tgtcaaataa ccataaacc ctaattagtta agtaacacaa aaccctaatt 240
agtcaagtac acataaatct gaaatagtca aacacacata aacccaatt tctcaagtaa 300
ccctaaacat ctaattgttc aaataccct aaatcctact tagtcaagta acctaattag 360
tcaagtaccc ctaaacccta tagtcaaata 390

<210> 9606
<211> 416
<212> DNA
<213> Glycine max

<400> 9606

tgtggaaaca aaaaagtgca acacatttga tatagtttat aggcttctga agttggcttt 60
agtcttgccg gtagcagctg caagcgtgga atatgttttt ttagctatga agtttgtgaa 120
gagtatctat gtaacaaaat aaatgattaa tgggttaaag attctcttgt aacttttata 180
gaaagagatg ttctttgaac aatcaacaat gatgtgattt tagctcattt ttaaaaaatg 240
ggtaataaac gatttttatt gtaaatacat atcattaaac aacattattt cttattttta 300
atatatttta gtctataatt tcttttatat ttatttcaca ctgatattta ttattgtta 360
gattcgtccc tgcttgctg ccatattcaa attaaagctg tttaaagat agaatt 416

<210> 9607
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9607

taaaattcat tatggatgca tacactaaga gcatttctaatt ggcttctaatt ctagcaacta 60
gagcatatgt ttcttcataa tctatacctt cttcttgatt atatcctttt gcaactaatc 120
tagccttatt tctaatgatt atgccatgtt catctaaactt attcccaaatt acccattttg 180
ttcctatgat gggatagttt ttaggtttct caacaagttc ccacacattg tttctttcaa 240
attgatttag ttcttcttgc atagcaatta tccaattatc atctattatg gcttctttta 300
tatttttagg ttcaatcata gatacaaaag ccatattatt gcataattct ttaagagaat 360

gtctagtgtg taccctttt gagatatcac caataatggt gtcgacggga tgatctnttg 420
aggctttcca ttctt 435

<210> 9608
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9608

tgtgttccta caaatgctga agaacaaccc atttagtggg gctgctcatg aagatcctat 60
acagcacctg agtgggactg gttgtactca ctacctgaga acaacattac tacatggaac 120
cagtgcataa gtgccttctt aaggatatat ttttctctca tgaagatgga tcagtacatc 180
aaggacattg gaaacttcgt gcagaaggaa caagagactt tacttgaagc cttggaaagg 240
ctgcaagaga taattagaag tttctcacat catggctttt cacctcaaag gctagtccac 300
attttctatg gtggagtgtc ctcacacaat tggacaagtt tggatgctac ttgtgagggt 360
aatctcattt tanaaccct tactaatgac ctcaagtga g 401

<210> 9609
<211> 432
<212> DNA
<213> Glycine max

<400> 9609

tatcaaactc tacaatttat gcacactgat aagaatgtca tatttttgca ttttaattcgt 60
agaggagtta tttcgtataa aaataataac aaaatattta taaataatat atcatttaaa 120
taattcaata atataataaa gtaaaatagt aaataataaa tttcacaata gttaaataat 180
caattttaat aatacatcac acttttagat aataacttac cgatattata gtggtagtat 240
gttattagag aataatgggt tgatgttatt agatgtgata attttttatt tgggaacaac 300
acattaaatt gaagtatggt gaatattaga tagacaaaaa acaatccaaa atgatttatc 360
ttttagtcta attatttcta acttgctgac tagttgactc gatagtaaac tcgagagtct 420
acttaagtta ct 432

<210> 9610
<211> 361

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9610

 tcagaaagaa attntggcac tacagactga gaaagagttt gtaaggagct tgtatgaaaa 60
 ttcctatgaa aagcactggg aaattgaaga ccagattaca caaatgcaga aaagggtttg 120
 cagcttgcaa gatgagtttg gaattaatac attcatagaa gataacgatg cacgagctct 180
 gatggctgca acagctctga agtcatgcaa agagaccctg gctaagttgc aagaggcaca 240
 ggcacaatca tctgaagagg ctaaagaatc ataccaaatg gttaaggaag ctcacagcaa 300
 gtttgaaacc cttagagacc tattcatttc taaacataag agtcacaaag accaagtaac 360
 a 361

<210> 9611
 <211> 416
 <212> DNA
 <213> Glycine max

 <400> 9611

 tggaatcaaa taaaaaacca caattagtct catattgtaa aaattgttca aatcgtgtct 60
 caatagaatt aattgattga tctaatatgt ataaaaata ctcattatga aaagattctt 120
 caggtgaatg tgtgatctca ttactaatat tttttttatc aaaatgaggc tgtttatgaa 180
 ttttacgttt ttcattgaaat tttggctcta tatccatttc gatagtcatt ttttctgtgg 240
 attctaaagc caatgcaaac cgtttttccc tataatgttt taaataagtg ataacacctt 300
 ttaaatgatc tatagcaaca tctatatgca tatcttttga ttgtagaatc ttgctaacag 360
 aattgacagc aaacacaata tcataccaaa tattattcct aataaatatc aaaatc 416

<210> 9612
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9612

 tgtaatcgat tacacatata ctgtaatcga gtaccagatc atattttcag aaaatattct 60
 caacagtcac atcttttctat gtggctcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcta agagatcttt ggatcaaaaa ggtcttatcc tottaaaaaag 180
 caaaatcggtt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttttcttc 300
 ttcttcattc tgaanaggga ttaatagacc gacggtctct tgttgtgaaa gaattctaaa 360
 cacaaaggaa ggggtgtcct tgtgtgttag aacctgaaaa agaattacac gatagtggaa 420
 ct 422

<210> 9613
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 9613

tgatatcctt agcccccttc gatataccat tgcagttaga gccgacctaa catgcatacc 60
 caagatgtcc accccaagat accactgcct agtagtaaag gtctccacaa gctttgccac 120
 aaagaatacc cctgcaagga cataccccctc atgtgggaaa atctctttgc caaccaagta 180
 atcaacaaag taacttatca tgtacggacc gacatactag acaagagtag tgacaccagc 240
 aaatacggca ttacaagctg cctccttcca gaacgacttg agaagtgcc aagccaatga 300
 aggctgctcg gattgggttt cagccttcaa cctctcccaa ttagaattca aaaccttata 360
 atttgtcttg gatcggtctt tcgccgaac aaggggaatg ttcttaagct caag 414

<210> 9614
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9614

nttaataatg gtgatgtctt atttatttgt ctttatgtgg atgaccttat ctttaccggc 60
 aataacccaa atttgtttga agacttcaag gattccatgt ctcatgaatt tgagatgaca 120
 gatatgggac tcatgtcata ttacttggga atggaaatga agcacatgga gaatggtatc 180
 tttgtctcac aagaaagcta cacaaaagaa gtgttgaaga aatttaatat gcttgattgc 240
 aatcccgtga acacacctat ggaaggtggc ttgaagttat caaagtttga tgaaggagag 300

aaggtagacc ccacggtctt caagagtcac gtggggagtt tgatgtatct aaccaataca 360
 aggcccgata ttctatatgc ggtgggagtt gtgtgttgct ntatggagge tctacctct 420
 ac 422

<210> 9615
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 9615

tgtgcctctt catgtctgga atatgaatgt agcatatata tccaaagacc ctttaagtgt 60
 ttgctgatgg cttcttcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatct gttgagtatg taaacaacag tgtagactgc ttcagcccag aatatgttag 180
 gtagtccctt ttccttgagc atcgatctag ccatctccat aactgtgcga ttctttctct 240
 cggacactcc attttgttga ggagaatatg cgactgtaag gtgtctctca atgccttcat 300
 cctcacaaaa tctttcaaac tcgcgagagg tgtactcctt gctgcgatca cttcttagta 360
 cttttatccc gttttcactt tgattt 386

<210> 9616
 <211> 356
 <212> DNA
 <213> Glycine max
 <400> 9616

tccgttggtc aatttcgtgc gtctcaatat gtgatgtgcc tgtgtctgac ctccgtgtga 60
 aaagctatga ccatttgaat ttctcgagat cttccgtggt taaatttcgg gcgtctccat 120
 atgtgatatg cttgaatcgg acctccgtgt gaaaagctat gaccatttga atttctcgag 180
 agattgcgtt gtttaatttt gagcgtctcg atatctgata tgcttgaatc ggacattcca 240
 tttaaaagtt atgactatct taatttctcg agaactttct ttgttcaatt tcgagcgtct 300
 ctatatatga tgctcctgaa tcggacttcc gagtgaaaat ttattatcat ttaaatt 356

<210> 9617
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 9617

atgaagaagc gttaaagcag gaagtatggg tcaaggctat ggtataagag atacagatga 60
tcgagaaaaa caacacatgg gagttagtaa atcgccccca tcaaaaagat atcattgggg 120
ctaagtgggt ctataagaca aagctcaacc ctgatggcac catacagaaa cacaaggcga 180
ggctagtagc taagggttac tcacagcaat ccagaattga ctacaatgag acatttgac 240
cagtagctcg tcttgatacc atatgagctc taataactct tgcatacaca aaaggatgga 300
gtatccatca actagatgtc aaatccgcct ttcttaacgc cgtacttgaa gaagagatct 360
atgtggagca gccacaagga ttcgtgtctg 390

<210> 9618

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9618

ttagttaatt taattctact ttntccaaaa ataataaaa tttttttatg ttaaatgata 60
taagtaaaat atctaaatct ttacattttt cttataatac aaaattctaa aatattatca 120
tatgatgtct ttagatgata aattattaga aataaattca aatgataaaa atattaaatg 180
tggtatttca tgtaattnta catttatcaa ctagtttttt ggtaaatctt accaaactct 240
ttcaactagc tttcgagttt ttttaactcc taactttagt cttataatct cccctttagt 300
ttgttagctt tcactatct tataagctag gtttatcaaa catagtctca attattatac 360
tgtctacaca tttatggatt aaattcaaag ttatgttttc agagattaaa ctgtcaccca 420
tatacacat 429

<210> 9619

<211> 387

<212> DNA

<213> Glycine max

<400> 9619

tgctactctc tggtaatcga tgaccagaac gctgtaatcg attgccagaa gcccaacatt 60
tttgaaaagg gatcttcaga tgtgtaatag attaccatga ctttgtgatc aattacgaaa 120
gcttatcaag ttcaaaaata gatcgaaaaa ccttgtaatg gattacacaa gacatgttat 180

cgagcactac tggctctgaa tgtaggaaat tcatattcta aatgaagagt cacaactttt 240
 caagaaagat aactgtgtta tcgagtacac caagattgtc atcgattgct agtgtcaagt 300
 tatgagaaaa tctggcaaca gtcacatatt ttcattcgat tgttaaattgg tcatcacagg 360
 cctataaata aatgacttga tcacgaa 387

<210> 9620
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9620

tgtgcattca atatcctgat gaggatgttc catatgttct caagactgga ctaatacatt 60
 tgctgcccaa gtttcatggg cttgtaggtg aagatcctca taagcatctt aaggagtttc 120
 atattgtttg ttccaccatg aagcccccg atgtccaaga agatcatata tttctaaagg 180
 cttttcctca ttctctggag ggagtggcaa aagattggct atactatctt actcccagg 240
 ccattttcag ctgggatgac ctttaagagg tggtcttgga gaaattcttc cctgcatcta 300
 ggaccactgc catcagaaaa gacatttcag gcatcatgca acttantgga gaaaacttgt 360
 atgagtactg ggaaagattc aagaaattgt gtgcaagttt ccctcacca 409

<210> 9621
 <211> 444
 <212> DNA
 <213> Glycine max
 <400> 9621

tcttattcca tacccaatga tgctctttga ctgagagtta gaatgacatc ttttgactgg 60
 acagatcacc aattcaagtc ttatagagat ttccttgat cttagcaaag aagagtgaag 120
 agttgtcctt attctagatg atacacatat cttattataa ggtgacattg tatccactgt 180
 cacataattt atttatactc aatatgttc aatcctttta ccagtaaaac attatctata 240
 gtacgatagg gagaaatgca tactttacct acaccagtta tcaaaccttt cttattccct 300
 caaaaagtga ccacccact agacataggg cttagggatt ggaacgcaga cttttcacct 360
 gtcatgtgtc atgaacaacc actaatcaag taccatgatt ggtgttcttt cttgctataa 420

aaaagatgta caataggaat tatt

444

<210> 9622

<211> 433

<212> DNA

<213> Glycine max

<400> 9622

tgttcttgac tcattctctc cttgaagtgg catctccaat catctttctt ccattctccat 60

tttgctctca ttgatcttca agaagcaaag gactccattg atgaagaaca ttcaaggcct 120

acaagctcca catggagcta cattattttc tctagtaaca caccttaagt atgtttttac 180

tcctctattg accacctcaa ttgcccac cgtttgaggg ttatatgttg aactaaattt 240

caatttaatt ccagcagatt tgaataattc cctccaaaat tgactcagaa aattttttatc 300

cagataaaaa atgatggtgt ttggaaaccc atgtaatttc acaacctccc gaacaaatag 360

atcagggtatg tcatttgcag tgaaggggtg actaatgggg ataaatgag cataacttaag 420

tcaatctgtc tac 433

<210> 9623

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9623

taaccatgga acggtatgag ataattaaag atattgtgtc agggaaacttt ggtgtggcaa 60

agctggtcaa ggaaaaatgg agtggatgaat tgtatgctat caagttcatt gagagaggct 120

tcaagggtcc attttcaaac tccatgtatc ttttctgttg tcatacctta gtcttgatca 180

tatgtacttt ggattgtcct ttgttaatgg ggttctattg ggttttgcag attgatgaac 240

acgtgcaaag agagattata aatcataggt ccttgaagca tcccaatata attagattta 300

aagaggtgaag gaattggaga catttttggg ttcaatgagt atagtctcaa agtgaatta 360

tttgcttctt cggaagaaaa tcattccctt ccttttagcta cttcttacca actntgtgaa 420

aatatatatg 430

<210> 9624

<211> 405

<212> DNA
<213> Glycine max

<400> 9624

tagcttgtgt cacaattcac tgtgacagtc aaagtgtcat tcacttatca aatcaccaaa 60
tgtaccatga gaggacaaag cacatagatg tgaaactaca cttcatcaga gatgtgattc 120
aatttgagaa ggtgaagggtg gagaagggtt taacagaaga aaacacgact gatatgttca 180
caaagtccct ctctagtgtc aagttcaagc actgcctgga cttgataaat tttgaagatg 240
cctaaagcaa attggtagaa gtgcagccct gaatcgcaag atagacactc gttgatttgg 300
agtcaagggtg gagatttgtg gtgtatgact caaaataaaa aatggcacia gtgagaaggc 360
tttaaggagt gctgtcataa ctgaattcag atataataac tgaat 405

<210> 9625
<211> 358
<212> DNA
<213> Glycine max

<400> 9625

gagcaaattc aaacaacaat aactttttac tcagatgtct gattgcgctc tgtaatatat 60
ctagacgctc gaaattgaat gttgaagctc tgagccaatc acacgacaat aactttttac 120
tcggatgatt gattgagtc cgtaatataa caagacgctc aaaattgaat gttgaagcta 180
tgagccaatt caaatgacaa taacttttta ctcgatgtc tgattgagtc ccgaaatata 240
tcgagacgct cgaaattgaa tgttgaacct ctgagccaat tcaaacgaca ataacttttt 300
actcgatgt ctgattgagt cccgtaatat atcgagactg ctcgaaatga atgttgaa 358

<210> 9626
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9626

agcttcaaca ttcaaattcg agcgtctcgt tatattatag gactcattca gacatccgag 60
taaaaagtta ttgacgtttg aatttgcctc gagcttcaac attcaatttc gagcgtgtcg 120
ctatattacg ggactatatc agacatccga gtaaaaagtt attgtcgttt gaatttgcct 180

agagcttcaa cattcaattt cgagcgtctc catatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcggt tgaatttgct caaagcttca acattcaaat tcgagcgtct 300
 cgttatatta taggactcag tcagacatcc gaganaaaag ttattgacgt ttgaatttgc 360
 tcagagcttc aacattcaat ttcgagcgtg tcgctatatt acnggactat atc 413

<210> 9627
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 9627

agcttgaaat tgaacaacgg atgtctctct agaaattcca atgctcataa cttttcacat 60
 ggatgtccga ttaaagagca taatatatcg agacgctcga aatttaacaa cggaagctct 120
 cgagaaatgc aaatggcat aactttttac acggaagtcc gattcgggcg cataatatat 180
 cacgacgctc gaaattgaac aatggaacct ttcgagaaat tcaaatagaga taacttttc 239

<210> 9628
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 9628

agcttgtgcc tcttcacgtt tggaatatga atgtagcata tagatccaaa gacccttagg 60
 tgctttgttg atggtttctt cccgttccaa gcttcaattg gagtcttgct ttttacagac 120
 ttagttggac atctattgag tatgtaaata gcagtgtaga ctgcttcagc ccaaaatgtg 180
 ttaggtagtc ccttctcctt gagcatcgat ctagccattt ccataattgt gcgattcttt 240
 ctctcggaca ctccatttt 259

<210> 9629
 <211> 173
 <212> DNA
 <213> Glycine max

<400> 9629

caatacccca taaatctaac ctctaagggt tctaagtagt cctaccacaa aatccataga 60
 agtagtgccc cacttccact ggggtatctc taaaggttgt aacttccccg aaaggttctg 120

atgatctatc ttagccttct gacagactat gcatgcatac acaaactcac taa 173

<210> 9630
<211> 197
<212> DNA
<213> Glycine max

<400> 9630

ttactatgca gataatatcc aagaaaaata ccttcatctg acttagcatc aaatcttcct 60
aagttatctt tgccttattc aatacaaaac atttacaacc aaagatatga agatgtgaga 120
tgtttggttt tcttccattg aacaattcat atggagtttc tttcaaatgg gtcttaatta 180
agtcctatct aaaatct 197

<210> 9631
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9631

aactaccata agggaaaaga gcctagtgtg cttagcgcat gtttagaaac aagccagact 60
aggcaagtaa agttgtgaga aacaagacaa gattgttgcc aaaggttact cacaatatga 120
aggtatagac tatacataaa cctttgctca tgttactcgt ctaaggcaat acacattata 180
ctctcattta cagctcatac aaaaatgaga ctatatcaaa tagacgtaaa aagtgcattc 240
ctcaatggag caatacaaga agtagtccat gtagaacaac cccatggggtt tgagggtaac 300
actnttcac accatgtatg taaacttaat aaagctttgt atggacttaa gcaagctctt 360
agagccttgg atgaatgtat caaatcattt ctttaagcaa tggatttgac agaggaa 417

<210> 9632
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9632

agcttataga atatataata aaagaacatt gacaattgaa gagtctattc atgtttcctt 60
tgatgagtct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120

agaagataca catattcatg gaaatgactc taaagaaaaa gatgaaggaa gcaatgagga 180
 ttctcaagat aatggagtta gaggaataa tgaacttcca agagaatgga aagcctcaag 240
 agatcacccc ctcgacaaca ttattggtga tatatcaaaa ggggtaacaa ctagacattc 300
 tcttaaagat ttatgcaata atatggcttt tgtatctatg attaaaccta anaatataaa 360
 agaagccata ataaatgata actggatcat tgtcatgcaa ga 402

<210> 9633
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 9633

tatgttgcaa acatttacia tagacctcct caacctcttt agaaaatcaa ccacaacaga 60
 acaattatga cctctccagc aacatataca atccccgatg aggaatcatc ctaatctcaa 120
 atggtctagc cctcaacaac aacaacagca gcctgctcct tccttccaaa atgttggtgg 180
 cccaagcaga ccatacattc ctccaccaat ccaacaacag caacagcccc aaaaacaaca 240
 aacagttgag gttcctccgc aaccttcctt cgaataactt gtgaggcaaa tgactatgca 300
 aaacatgcag tttcaataag agaccagagc ctctattcag agcttaacta atcagatggg 360
 acaattggct acacagttaa atcaacaacc agtcccaaat tctgacaagc ttgcttctca 420
 atctgtccag aatcccaaaa ttctacacat 450

<210> 9634
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9634

agcttccttg aaaagattcc taaagaagct agagcttagc tacacacacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagctt gaacttagct acacaccccc tataatagct 120
 aagctcacc ccatgacaaa atacatgaaa atacaaaaaa aagtctgtac taaaaagact 180
 actcaaaatg cctcgaaata caaggctaaa accctatact actattatgg ccaaaatata 240
 aggctaaac gaaggaaaaa aaacctattc taatatttac aaagataagc gggctcatat 300
 ttaacccatg gggtcaaaat ctaccctaag gctcatgaga accctanggc cttcccttgg 360

atctctggcc caatctactt ggagtcttct at

392

<210> 9635
<211> 429
<212> DNA
<213> Glycine max

<400> 9635

agcttaaaaa ccaactggta gttgaaactt aactaaaggt tatgtttgac aaaactaatt 60
ggaagcttaa aagcttaaaa actagctagt caatatttta tgtaacactt caaattcttt 120
ttccaaaaat ttgcttcaaa aactatttaa ataataaata ttatgaaatg tgtcattttac 180
tcttaatttc tatttctaag ttggcaaagt atctcatcaa ttttcttttt ataaattaga 240
tgaaataaaa taaagtaaaa taagtgtgtt gcttgaaaaa tgcaagtttt cacatcacaa 300
tattaaattt gtaaataaat gaacttaggt ttataatatg atgcctttgc cgcaaataaa 360
gcaaataaat agtctcacac tagaagaaat ttggatacaa cccacagtgt aaaagtagtt 420
aaatgattg 429

<210> 9636
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9636

agcttgtagg cctttgatct tcttcattat tagagtcttt tgcttcttga agatcaatgg 60
aagtggaata gagaaggagg aaaggtgatt ggagatgcca cttcaaggag aagatgagtc 120
aagaacaagc tcactaccat aggaagccat ggataagagc ttgaaggtag gagaaaatga 180
gtggagggag aggcagagag gggggaacaa aatttatgcc tcaaatgagg tcagaacttt 240
gaagtcta at tctcaa atg atcaaagttg aaaaaattca cacacaaggc ctctatttat 300
agcctaagtg tcacacaaaa ttggagggaa attngaattt ctattncaaa ttatcttg 358

<210> 9637
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9637

ctatgctgca natatntaca atagacctcc taacctatct tcgaaatcaa cctcagcaga 60
 acatatttga cctctccagc aacagatata accctggatg aggaatcacc ctaacctcag 120
 atggtccagc cctcagcaac aacaacagca gcctgctcct tccttccaaa atgctgctgg 180
 cccaagcaga ccatacattc ctccaccaat ccaacaacaa caacaacccc aaaaacagcc 240
 aacagttgaa gcccctccac aaacttcctt cgaagaactt gtgaggcaaa tgactatgca 300
 gaacatgcat gtttagcaag agaccagagt ctcaatttag agcttaacca atcagatggg 360
 acaattgggt acccaattga attaacaaca gtcccagaat tctgacaagt tgtcttctca 420
 agctg 425

<210> 9638
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9638

tggttcatat cattattaga ttacatatta ttctcttatt tatgattaga tactatatag 60
 tgatttagtc cttattactc tttattaaat tgaggcgac cctggtgcag cggtaaagtt 120
 gtgccttggg gacttggttg tcatgggttc gaatccggaa acagcctctt tgcatatatg 180
 caagggtaag gctgcgtaca acatccctcc cccatacctt cgcatagcga agagcctctg 240
 ggcaatgggg tacgaagttt ttttttttta ctctttatta aattgatact ctataatcaa 300
 tattaatcct atttgttcat tataaataaa gacttagtgt ggtcatccaa cacacacaca 360
 acattacagt aaaatacttt tatatattaa catctttgag agaaatatca tatcatgtac 420
 acttaaanat aacagcaata taatga 446

<210> 9639
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 9639

tggttcgagg tacttaccgg tagaagatcg aagaacgatg atgaacgaat gattaacgtc 60

gaataacggt taaaacctgt tagtgcttat ctctactgac tttaaaagat aggctaagat 120
 tttgttaaaa cataagcact tatacaatga aggaaagctg gagttgctgc acatgatgtc 180
 caacgttatg tcaaggaata agatcgggct gcacaatgca caaggcaaga taaaatgtca 240
 aatgaagaat tgaaagtgcg ggatccacga tgtcggatac aatgtcctga catcctgccc 300
 gagaatactg gagttgctgt acaatgcaag ataaaagtca agtgcagaag tgaagct 357

<210> 9640
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9640

tcaagatatt atttgatgat gccaaagaat ttcaaagatc tttaaagatg aatttcaagg 60
 atgatgaaag caagatgtca agcaaagcaa agatctcaaa taagaattaa gatagactct 120
 tagaaaagtt tctgaaaaac acaaatgata ggccaagtga gtttctatct taacaaaaac 180
 ttttccaagc attttactct ctggtaatcg attaccagag gttgtaattg attaccagtg 240
 gccacaaagc tttctgaaa tgttttcaaa gttattttca aagttttcaa agttgtaatc 300
 gattaccaat gctttaaaac agttaaaaat gattntgtaa atatgtaatc gatta 355

<210> 9641
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 9641

agcttaaagt ccattatgga tgcataaggct aataacattc tgattgtttc taatctagca 60
 actagagcac atgtttcctc ataactatc cctcttctt gggtatatcc tttggcgact 120
 aatctagccc tatttctaata aattattcct cttggaagat cataatttgt tttgacttca 180
 tcaacttgag agtcttcatt gtttatttct ccttttcctt tatgatattt tccaagaata 240
 tgtatttctt cttatgattc tgaaatatca tctagtatat cctttcttgg caaaatagca 300
 ttagattcat caaaagaaac atgaatggat tcttcaataa tcatagttct ttgggtatat 360
 attctatatg ctttactctg caatgaatat ccaagaaaga t 401

<210> 9642
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9642

taacacaagg catgcgaagt ggggtggaatt cctagagtta ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgctctttct ggcgtcatgc attactttct 120
 atgcttgaaa caaaattgat tggctcttgaa tgtttgaaaa gcatgtatga aaatgatgaa 180
 acttttggag aaatttttaa aaattgtgaa aaattttcag aaaatggttt ctttagacat 240
 gaaggctttc ttttcaaaga aaacanaatg tgtgtgccta aatgttctac tagaaatttg 300
 ctggtttgtg aagcacatg 319

<210> 9643
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9643

tggcatttat tcagctgcaa ggtacaagat ttaaccatag cataatatgt ttctcaactc 60
 tttaaataatt tagctctatg catatatgat tggggtaatt tgcaggattt ttacttgtgc 120
 aaatgtgatg cctgggtcac ttgggttatgg agagcaagat gccaagactt tcgcatcatg 180
 ggtatataac actgcttctt tcttaaattt gattattcct ttgcttcac tcaaacatat 240
 cagttgctat ttaacaaacg ggtattatca tcattgtttt atctttctta ggggtgttgat 300
 tatcttaagt atgacattng taacaatggg ggaacacagc ctattgatag gtatgtaaaa 360
 tagttatatt ttcacaacac tgttatata 389

<210> 9644
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 9644

cacctatgtc tgcaagtcatt ttgatgttgc aagcaaggtc gatagccagc tgaaatagtg 60
 atttggccca tgttctcaag tctctctatt catgggtgcat ccattgtggc tgccattctc 120

aatgaccggg tatgagctca acttctgcta cacaaagaag gattagtagc tgactatctt 180
atgattcttt cccactgct cttttttttc tctgatgaat actagtcttg aatggcactg 240
tcacatggta aagaatatga tgggtacttcg atatgtatag aggccattct ccaatatatg 300
gttgatttaa tgggagatcc taatgacatt gc 332

<210> 9645

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9645

agcttgctnt ntgtgctttt cattgcttta attgttgaat aatccttgga aatttgcttt 60
gttaaaactc tattgggtta gctttcattt catttttttt ggtctttggt tattgcttgt 120
ctctttgttt ccttgcttgt gagttgccat atagggaatt ggaaatgagg attggtgcca 180
tatcttaaag aatttgagtc aagaagcaag gggccaacca ccttaagagc tattggacta 240
agaagcactc caaattgagt gaaacactaa agagagaata gccaccacaa ttgaggactn 300
ttttctttgt aattttgtaa ttggcaattt gctntgcttt caaattttgt aacaaaaagg 360
cctttcattg gaagtaagtt gggagcctct gctangtcac cctactttca tttgtatgta 420
ata 423

<210> 9646

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9646

agcttactaa aacctttgat cttgttgata gacttggatc tatgagaatc atgcttgcct 60
ttgttgctca taaaaacata aatcttttac aaaaggggtg taagagtgcc tttttaaatg 120
gtttcattga ggaggaactc tatgtttaag aacctcctgg ttttgaagat cacactnttc 180
tagatcatgt gtttaaactt aaaaatgcta tgtatgattt gaaacaagca cctcgtgcat 240
ggtatgatag actgagctct tttcttttag aaaatggttg tttcggaggc aaaagtaata 300
ctactctttt tagaagagaa gtgggaatgg tttcattata ttttaattat gtagatgata 360

tatatttgga gtactaatg

379

<210> 9647

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9647

cctctncacg tctggaatgt gaagagcata tatatccata gacccttat gtttcttgac 60

tatcggcgac agttcaatcc agactgatga aaggtgatgg agactcccct tctaagagaa 120

gatgagttaa gagcaagctc accaccataa gaagccatgg ataagagcct gaaggcagga 180

gaagatgagt ggagggagag ggaaagaggg gaacaaaatt ttgagagaga taagaggag 240

aatgaggtct aaagtttgaa gtctaatttc tcaaattatc aaagttgcaa aatgcataca 300

caaggcattt atttatagcc taagtgtcac ccaaaattgg agggaaattn gaatttctat 360

tc 362

<210> 9648

<211> 307

<212> DNA

<213> Glycine max

<400> 9648

agcttttgca agctggaatc atacatccta tgtttgacag ccagtgggtg actgccgtac 60

aggtagtccc gaaaaagacc atcctcacag tgataaagca tgagacggag gagctgattc 120

ctactcgggt gcacaataaa tggagagtct gcattgacta tacgaggcta aagcatgata 180

ccaaaaatga ccattatccg atgccataca gtgaccagat gcttgaatgc ctggcaggga 240

aatctcacat agctggtcct tgatggtttt tttggatata tgcttataac tattgctcat 300

gaggatc 307

<210> 9649

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9649

agctntagtg tttagtgtca agtcttatgt tttactgtgt agggctcta ccttaggggtt 60
 taggatttag ggtgtagggg ttatggttta gaatttagag gtaatggttt aggggtcaagt 120
 cttagcgttt aggggttttagg ttttacgggt taggggtgaa ataaaattac tccagactca 180
 tatgcatcta atgaaataaa attacattta gaagttgaaa taaatggagt ggatcaagcc 240
 aggttgagtg acttttagtta tccataagta aaccttaata aactgaatac catacattac 300
 gtgtgaaatt caaatgagaa atatacaaca aaatatttaa acggagacat gcaaattcatt 360
 cattt 365

<210> 9650
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9650

gcttgtgcct cttcacgtct ggaatatgaa tagcatatag atccaaagac ccttatgtgc 60
 tttgctgatg gcttcttccc gttccaagct tcaattggag tctgtctttt acagacttag 120
 ttggacatct gttgagtatg taaacagcaa tgtagactac ttcagcccaa aatgtgttag 180
 gtagtccctt ctcttgagc atcgatctag ccatttccat aactgtgcga ttttttctct 240
 cagacactcc attttgttga ggagaatatg cgactgtaag ttttcgctca atgccttcat 300
 cctcacaaaa tctttcanac ttgcgagagg tgtactcttt tccgtgatca cttcttaata 360
 cttttattca ttttcactt tgatttttc 389

<210> 9651
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 9651

cctcttgccct gtctctatat aaccttttgg gggggtcata tagatgtgtc cctctaaatc 60
 cccatgcagg aatgcaattt taacatctaa ttgctccaag tgaagattct ctgcagctac 120
 tataactcaga ataactctga tggtagtcat ctttacaact ggagagaaga tctctgtgaa 180
 atcaattcct tgtttctgct gaaacccttt caccataagt ctgccttgt atcttcttct 240

accgtcagat tcttccttta gcctatagac ccacctattc tgtaacgttt tctttccttt 300
tagcaattta gttagagacc acgtcttagt cttatgaagg gatgtcatct catctttcat 360
cgctagctcc cacttaata 379

<210> 9652
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9652

agcttgccat ttaaaaaggc attgttatta tcaatttgct aaagatccca atgaaaggaa 60
gtgactaaag tcagaatagt tctgattctt ataggtttca caactaggga aaatgtttct 120
ttgaaatcaa aaccaggttg ttgatggaag ccttttgcta caagacgtgc cttgtactta 180
ctgacagacc catctgaatt atgcttgact ctaaaatccc gcttgcaacc aattgggttg 240
ctattaggag gtttaggaac cagttcccat gtattgcttt tgagtagtgc aaccatttct 300
tcatccatag catctttcca cttanggatc ttaagtgtng ttnttgacag tttaggcaca 360
acatgagtta aaagccaggg tgggtggagt ctaggcttga caattc 406

<210> 9653
<211> 297
<212> DNA
<213> Glycine max

<400> 9653

agcttgtgca tccaataccc tggtgaggat gtcccatatg ttcttaaaac tggactgatt 60
catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120
tttcacattg tctgctccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcactcatt agaggagtg gcaaaggact ggctgtatta cttgctcca 240
aggtccatca cgagctggga tgaccttaag agagtattct tagaaaaaat tttccct 297

<210> 9654
<211> 319
<212> DNA
<213> Glycine max

<400> 9654

agcttcaaca ttcaatttcg agcgtctcta tgtattacgg gacttaatca gacatccgag 60
caaaaagtta ttgtcgtttg aattagctca gagcatcaga attcaatttc gatcgtctca 120
atatattacg ggactcaatg agacatctga gtaaaaaagt tattgccgtt tgaatttggt 180
gagagcttca acattccatt tgcgagcgtt cgatatatta cgggactcaa tcagacatcc 240
gagtaaaaag ttattgtccg ttgaatttgc tgagagctcc aacattcaat ttcgagcggg 300
ctgatgttta cgggactca 319

<210> 9655
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9655

agcttctcac tcncttgaca ttcattgggag gaggaagttt ctcaatcaca tcaatctttg 60
ccttgtccac ctctattccc cttactattc cttcttgaac catgaatgac atttctccca 120
attgagaact agattggact cttcacatct ttgtaatact ctttcaagat ttgataagca 180
ggcttcaaaa gatggcccaa aattagagaa atcatccatg anaacttcaa tgcatttttc 240
caccatatca gaaaaaatag ccatcataca cctctgaaat gtagttaggg cattgcatag 300
accaaaaaggc atgcgccgat atacgaatac accaaaaagg caggtgaaag tagtactctc 360
ttgatcttgg gatctacaaa at 382

<210> 9656
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9656

agcttatgtt gcactttcaa cttctcgaag ctaaatatgt agttgtagga agttgttatg 60
ctcaaagtct taggatgaag caacaactag aagactttgg agtaaaccctt gatcacattt 120
agggattagg catatagaaa taaggcatca ttttcttaga gatcatgtgt taaaagggtta 180
caactacatt gacttcattg atagtaagca tcaactagca gacattttca ctaaaccgct 240
tgctagagat aggttctttt tcattagaaa ggaactaggc atattggatg catctagcat 300

agaataatat tttgtttgca tagtgtgtga atcatatngc tattcatatc att 353

<210> 9657
<211> 347
<212> DNA
<213> Glycine max

<400> 9657

agcttttgtt tacttttttt attaaattat tattattgac tcaaagtgg atttaatt 60
tataaatata tttttatgaa tctaattact gtaatatatt gatatgggtca agattttaca 120
ttatcattta cttttttatc gttatataag atgataaaat tgtaattttg taataaaaaa 180
acttattatt ttaacaccat ataactaatg tatagtataa tttgttctac gtcataata 240
tatcagaatt aacatatact gttatttgat ttagtcttct acatattttt attattttct 300
tatccctoga ttaagattat tttttaacat catgagaata tattttt 347

<210> 9658
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9658

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gatcgctagc tgccatgttc tcaatgagtt ccatcacttc ctcggtgtgc ttttaactga 120
tctttcctcc cgtggatgcg tccagtaatt gcttgcattg aggtcgtaat ccatcaataa 180
agatgtttaa ttgtactagc tcgctatatc catgagtggg cgttttcctt aacaatccgt 240
ggaaacgatc taaggcttcg ctaagggatt catctagtaa ttgatggaaa gatgagattt 300
ccaatttccc ttcagctgtc ttggattcan ggaagtactt tntcataaat ntctctacaa 360
cttctttccc aagtctaaa ggt 383

<210> 9659
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9659

tgcctatagg ttggacctcc cagaagagta tggagtcagc accactttta acatttctga 60
 tttaactcct tttgcagggtg gagctgatat tgaggaggag gaactaacag atttgaggtc 120
 aaatcctctt caaggggaag aggatgatgc aatcccccta tgaagggaacc aatcactaga 180
 accatgagca agaggctcca agaagattgg gctagagctg ctgaagaaag ccctatgggt 240
 ctcatgaacc ttanggtaga tttctgagcc catgggcca ggttgggtcc aattatcttt 300
 gtacatatta gactaggatg tcattatatt tggtccttg a 341

<210> 9660
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9660

agctntgtgg catagaaagc tttatntttt gataagtta gatatcctga gaattctgct 60
 catggtcaac tcccaagaac agtggatgta attgcagaag acgaccttgt tgattcttgc 120
 aagcctggag atcgagtggc aattgtgggg atatataagg ctcttgcaag gaaaaggtag 180
 tgtgaatgga gtatttaggt agctccagaa aatatactga cataactcct ttgcacttgc 240
 ttgctttctt gaacagaaac ttgattgact gattttcatg taggactgtt ctcatagcca 300
 acaatgtttc tcttctcaac aaagaggata atgcaccaat ctacagtgtt gaagatgtca 360
 aaaacattaa agagatagct acaagagatg atgcanttga tctgctaagt gattcacttg 420
 caccttctat atatgggcat tcttga 447

<210> 9661
 <211> 356
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9661

ggaactactt cacatggtca ttatggggcc tatgcaagtt gaaagccttg gaggaaagag 60
 gtatgcctat gttgttgtgg atgatttctc cagatttacc tngttaaact ttatcagaga 120
 gaaatcagaa acctttgaag tattcaaaga gttgagtcta agacttcaaa gagagaaaga 180
 ctgtgtcatc aagagaatca ggagtgacca tggcagagaa tttgaaaaca gcagggttcac 240

tgaattctgc acatctgaag gcatcactca tgagttctct gcagccatta caccacaaca 300
 gaatgggata gttgagagga aaaacaggac cttgcaagag gctgctcggg tcatgc 356

<210> 9662
 <211> 452
 <212> DNA
 <213> Glycine max

<400> 9662

agcttcaaca ttcaatttcg agcgtctcgt tatattactg gactcaatca gacatccgag 60
 taaaaagtta ttgtcgattg aattggctca gagcttcaac attcaatttc gaggggtctcg 120
 atatattgcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgtct 300
 cgatatacta cgggactcaa tcagacatcc gagtaaaacg ttattgtcgt ttgaattggc 360
 tcagaggttc aacattcata ttcgagcgtc tcgatatatt acgggactca atcagacatc 420
 cgagtaaaaa ttattgtcgt ttgaattggc tc 452

<210> 9663
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 9663

tgtagggtta aagtctcacg attgtcacgt gctcatgcaa taattgtag ccgtggctat 60
 acgagacatc ttgccaaaca aagtcagggt agcgataact cgcctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatccagt caagtttgat gagatggaaa atgaggccgc 180
 aattatattg tgccagttgg agatgtatct tccccctgct ttttttgaca tcatgattca 240
 cttgattgtg catctgggtc gagaaatcaa atgttgtggt cctatttatc tatgggtggat 300
 gtacccgatt aagcgatgca tgaagatctt aaaaggggat acaaagaata tatatcgtcc 360
 aaaagcatct attgttgaga ggtacattgt agaagaagcc atttgaattt gttcagaata 420
 cttagag 427

<210> 9664
 <211> 389
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9664

tgacactctg aaactaagct atccaatggg tcgccattat tntcttctta gtcctttttc 60
 tttgtatgag catttctatt ttgtctcttg taatggagta agctagctta tgctattgaa 120
 attaatacatt tgtcaccatt attcttaatt ctctcttctc ttcacaggta caaggtagca 180
 ttaggggtgg ctttggccct tcgttatctt catgaggatg cggagcagag tgttcttcat 240
 agggatatta agtcagctaa tgtgttggtg gacacggatt ttagcaccaa gcttggcgat 300
 tntgggatgg ctaagttggt ggatccaagg ttgaggactc aaaggacagg gctggtgggg 360
 acttatgggt accttgcccc agaatatat 389

<210> 9665
 <211> 457
 <212> DNA
 <213> Glycine max

 <400> 9665

agcttagcta cacacacctc tctaatagct aagttttcct ccttgagatg agaagctaga 60
 gcttagctac acaccccta taatagctaa gtcaccccc atgacaaaaa acatgaaaat 120
 accaaaaaaa agtccttact acaaagaata ctcaaatgc cccgaaatac aaggctaaaa 180
 ccctatacta ctagaatggc caaaatacaa ggcccaaacg aaggaaaaag ctattctaata 240
 attacaaag aagagtagat ccaaccttta cccatgggct caaaaatcta ccctaagggt 300
 catgagaatc ctagggcctt ctttagtagc tctagcccaa gcctcttgga gtcttctatc 360
 caataccctt ggggggtagg attgcatcat cccctccagc ttggaaagga tttgacctca 420
 aatcccaggg ttcttcatac tctaggctcc ttccctc 457

<210> 9666
 <211> 389
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9666

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gcctagttca tttctaataa aaaagaacct atctctagca agtggtttag tgaaaagtct 120
gcttggtgat gctcactatc tatgaactca atgcaacaat caccttttaa cacatgatct 180
ctaagaaaat gatgcattat ttctatatgt tcagtccaat aatgcatgcc agaattttta 240
gttagattga tcacacttgt gttgtcacat tttagaggaa tgtgatcaag gtttactcca 300
aagtcttcaa cttgttgctt catccagaga ttttgagcac aacaacttcc tacaactata 360
tattaagctt cggtagtaga agtgctaca 389

<210> 9667

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9667

gacactataa aactcagctg gaagcaacac agcttataag agccaccttt ttctctgctt 60
aagagttcta cgggggggga gttcacagta cccttataat cttgggtgga gtttaagcacc 120
tcaaattaat gtgagcacca tattaattat caactgggtga attcaattaa gttcttaatt 180
atattccaac aacaagatcg cagaaattaa cctgaaagaa agaggtttga gagggatcca 240
gcctgtggtt gccaggagga acaacaacat caatagggtgc aaccaaccct acacgagcag 300
gagctaccaa ctgtatagaa aatntggata acaacatcca aaagtgaata tataggaagc 360
tcacaactta attaaaggta actttctctc attcaacata tatatacact acactcaatc 420
atagcat 427

<210> 9668

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9668

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attaagaact agctcttttc ttctctatt gccttttagtt gaatacacct ttgtttgggt 120
ctctatttgg ttcttaaccc tctcatgcat cttctttaca aattctgacc tagattcccc 180

ttctttatgt ataaaaaaag tgtccagtgg gaggggaatg aggtctaacg gtgttagggg 240
attgaaccca tagacaacct caaaagggga ctgcttggtg gttctatgaa ccccccgtgtt 300
gtaggcaaat tctacatgag aaagatactc atcccaagac ttatggttgc ctttcagaag 360
agcccttana aggggtggata aagacctatt cactacctct gtttgcccat cagtttgtgg 420
atg 423

<210> 9669
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9669

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ttccatattg tctgttccac catgaagacc cctgatgtcc aggaagatca tatctttcta 180
aaggcttttc ctcatctctt ggaggaagtg gcaaaagatt ggttgtacta ccttgctccc 240
aggtccatta ccaactggga ttacctgaag aggggtgttct tggagaaatt cttccctgca 300
tctaggacca ctgcaatcaa aaaatacatt ttatgcatca ggcaacttag tggagagagc 360
ttgtatgagt actgngaaag attcaagata ttatgtgcaa gctgtcctca ccaccaaatt 420
tctgagcagc tccttctgca atatttctat gagggac 457

<210> 9670
<211> 424
<212> DNA
<213> Glycine max

<400> 9670

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tccgattcaa ggcgataata tatcgagatg ctcgaaattg aacaacgaat gctctcgtga 120
aattcaaatt gtcataactt gtcacacgga agtccgattc aggtgcataa tatatcgaga 180
cactcgaaat tgaacaacca aagctctcga gaaattcaaa tggtcataac ttttcacacg 240
gaagtctgat tcaggcacat aatatatcga gacgctcgaa attgaacaac gtatggtgtc 300

gagaaattca aatgggcata acttgtcaca cggatgtccg attcaagcac ataatatatc 360
cagatgctcg aaattgaaca tcggaagctc tcgagaaatt ccaatgggtca taacatttca 420
cacg 424

<210> 9671
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9671

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aaagtccgat tcaggcgcat aatatatcga gacgctcgaa attgaacaac gaaagctctc 120
gaggaattca aatgggtcata tcttgtcaca cggaagtccg attcaggcgc ataatatatc 180
gagacgctcg aaattgaaca acggaagctc tcgagaaatt caaatgggtcg taacttgtca 240
cacggaagtc cgggttcaggc gcataatata tcgagacgct ctaaattgaa catcggatgc 300
tctcgagaaa tgcaaatggt cataacttgt cacacggaag cccgattctg gcgcataata 360
tatcgaaacg ctggaaattg aacaacggaa gct 393

<210> 9672
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9672

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caaatctggg aatcaccaaa aagcctgtgc ctgacttcag gtaaattgcc tatttgatat 120
atccatcata ttgacaaatg tatttcaatg atagtgtttt gtgggttctga tgtttatgtg 180
ttcatgcgtt ttggcatatt gattgcagtt tctatgatcg ttcatctcca atctacaccc 240
aaccacgata tttgcctccc tctaagatgc ttgatgctga tgtcactgat agtgttattg 300
gtgaaggatg tgtgattaag gtaagcattt cagaaccttc acattctact gatctgctct 360
gtacatgaga attatacaat tcttaacaaa gatgtcaaat ataatgagat taatttattt 420
ataggaaact aaccttgtat tccatact 448

<210> 9673
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 9673

agcttatctc atttcatttt atatcaacta ttgtacacaa ggaattacat gataaaatgc 60
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 ctcttgacca aaacctattc caaagggtga aaattgggcc aaaacctgtt agacaaatga 180
 cctcagataa cttaagaagg ggggttgaat taagatattg caaactattt cccaattaa 240
 aattctattt taatttcaat gcaagttaca agttccctta aaaatgaact cttaaataat 300
 gattcaaata aaacaatctg aatataaatg caaagcaata agaaataaaa tagtttaagg 360
 gaagagaaag tgcaaactca gatttatact ggttcggcca cacccttgtg cctatgtcca 420
 gtccccaag 429

<210> 9674
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 9674

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 tacagccaac gacttagaat aatgggggtca ttccgaaaca tctcctgtag ttcttcaaga 120
 aggtgagaaa ttagaagatt tcagtgcata tgaatctcat ttgactgttg aacctgatcc 180
 tccacagctc aattctggaa tcaatcagag accaaaaagg atcactatac ctctgaaag 240
 atacggattt gaagacatgg ctgcctatgc attacatgca gttgaagaaa tagattcaaa 300
 tgaaccaacc acttaccaag aagctatcaa tcctcctgaa gctgagaatt gggtgttagc 360
 tatgaaagac gaaatggaat ctttgtataa gaatcagacc tggaaacttg ttgaact 417

<210> 9675
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9675

agctntctct ggtctacaag agctctttct ttctcataca cttcttctgc aaatggaaac 60
acgttctaca aactcccagg tggttgtctc aaaccaggag agaatggtaa gatcttgctt 120
attttttctt aaatataata gtctgaaaat aacaactcat gattatctta atgtacattt 180
ttgtgggctt gaagagaaaag ttgactagca agcttggtgc taattcatca gcttttgtgc 240
ctaactggca ggtattatta ctttttattg ttaaatttgg cagttggtgt ctatttgtgt 300
ctttattgtt gtcatttgca tgtatccttg gaaaactgca gataggtag tatgtagaaa 360
tctggtgaag gctcttcttt tattgaagta cactgctaag ccacaatata agtgatcgag 420
gccgtaccg aatcatataa acatga 446

<210> 9676
<211> 453
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9676

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gtggcatctc gtctctctct tccttctcca ttccgctgcc attcatcttc caggaagcaa 120
aggaatccat tgatgaagaa gatcctaggc ctacaagctc aaatggagct tacatcatgt 180
ggtatcaaga gcatcttcat ctaggtgatg ttcatttgc tctctatct ttttgttcgg 240
tgaattctct ttagttcctt gttcttcata ttattctcca tgtatatact ccattgtctt 300
gtggtttggg gctgtttaga gtatattcaa aaaaataaac cgattaaatc ttagatctac 360
atttgttctt gcatttctct ggttcanatt ttgtagatct actcttgaat cttggttttg 420
tggtgatttt aggttctatc aattntcatt cat 453

<210> 9677
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9677

tgtaatcgat tacacacata ctgtaatcga ttaccttact ttgttttttag aanacattct 60
caacagtctc atctttttat ctgtttctta aatggccatc aaaggcttat atatatgtga 120

cttgagacac aaatttgaaa agagttttca agaacaaaga ggtcttatcc tottaaaaag 180
 caaaatagtt tctatcctct tacaaattcc ttggccaata cacttgtgat tcaataagga 240
 attattnagag tgctcaaatt gttcaatcta tctctttcaa gagagatttc ttctcctctt 300
 cttctttatt ctgaacaggg attaagagac cgacgggtctc ttgttgtgaa aagaattcta 360
 aacaacaagg aatgattgtc cttgtgtg 388

<210> 9678
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9678

ngtctanagg tgtgtttgat tcccatatct tctactttgg caaaacaaaa tcaaaattga 60
 acttctcttg ttcttcaggc ttggcagcag taccaccatt cctatcatta ataattgatt 120
 ttgggtcttt aacgggttgg acaacctcag tgatagaacc caaagctttc tccttttgac 180
 gagctggtaa atgatattaa atgattactt ttaaagtcag aatatcacat attactaata 240
 atggcttaac atattaccat cataacgaat taatgactta ngtaatccat ttggtcgtaa 300
 tgccctttca ttcacgcctt ctgtatactt gctcacttca acctgcattc tgtagtaata 360
 gatgtattag cagtaagcat atttcagctg ttacttaata ctaaaa 406

<210> 9679
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 9679

agctctgagc aacttcaaac aacaataacg ttttttctga tgtctgatag agaccgtaa 60
 tatatccaga cgctcgaaat tgaataccga agctctgagc aaattcaaac gacaataagt 120
 ttttactcgg atgttogatt gagtcccgtg atatatcgaa acgctcgaaa ttgaagaccg 180
 aatctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtccgcg 240
 aatatatcga aacgctcgat attgaatgtc gtagctctga gcaaatacaa acgacaataa 300
 ctttctactc cgatgtctga ctgactcgcg tgatatattg agacactcaa gattgattag 360

cgaagctctg agacaattca gatgacaata acattttact cggatgtctg agtgaga 417

<210> 9680
<211> 371
<212> DNA
<213> Glycine max

<400> 9680

taagtcctt caactgtaca aggctcttaa tatttgtagt ttattcttgt ggaaccttca 60
cccgacaaag aactgacaa aaacttatct tctccttttt ggacaaagta tgacaagctg 120
ggggcaaata aatattcttc ccatctgacc ttggatgcaa ctgtgatcat atccccatct 180
cagctagatc atgacgggta ttcaagccat ccttctgtct gccttgaatg ttaaggagcg 240
taccaatgac actgtcacat acattattct ccacatgcat aacatcaata caatgtctaa 300
cgtctagatt agaccagtac ggaagatcaa agaaaatgga cttcttcttc catatgcaag 360
tcttactttt a 371

<210> 9681
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9681

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tctttctccc catatccact atgcagcttg cagttagcat gaatggcctt cccaatatta 120
caggaatgtc attatcttca cagatatcca ttaccacaaa gtctgcctgt tttactctga 180
ccagcacatc ttcaattact ccatatggtc tggtaatgga gcggtcaaca agttgtaaag 240
tcaccttagt gggcatgatc tcctactctc ccaaccttct gcacatggag agtggcatta 300
agttaatact ggctcccagg tcaataagag cctttccac agtgacttct ccaattgaat 360
aaggaatggg tactctcca gggctctatac gctnggtgg aaggacctt tgaatcacia 420
cactacaatt tccatccaca acaatgtttt cctg 454

<210> 9682
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 9682

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agcttaataa gtccatctat gtattgaaac taccctcctg ctagtggtat ttaaaatttc   60
atgagggttat ttcttcattc agctttgaag agaatgtcat ggatcactgt atatactaga  120
aggtcagtgg gagtaagatt tgtttccttg tattatacat agatgatatt ctacttgcca  180
ctaataataa gggatgcta tatgagggtga aacaatttct ctcaaagaac tttgatatga  240
aggatatggg agaggcatct tatgtcatag gcataaagat ccatagagaa agatctcgag  300
gcattntagg cttgtctcaa gaaacctata tcaacaaagt tttagagaga ttaacatga   360
aag                                                                    363
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<210> 9683
 <211> 451
 <212> DNA
 <213> Glycine max

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<400>        9683
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atgggataat ttcttcattt ggatttgatg aaaaccacat ggatcaatgc atataccaca  120
aggtcagtgg gagtaaaata tgttatcttg ttttatatgt agatgatatt ttacttgcaa  180
ccaatgatca aggtttgcta catgagggtga aacaatttct ctctaagaat atggacatga  240
aggatatggg tgatgcatct tatgtcatcg gcatgaagat tcatagagat agacctcgag  300
gtattttagg tctatcataa gagacctata ttaacaaaac tttatagtga atttgatga   360
aaattgttca ccaagtgttg ctcccatcgt gaagggtgat agatttaatt tgaaccaatg  420
cccataacat gacttttgaa gggaacagat g                                                                    451
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<210> 9684
 <211> 442
 <212> DNA
 <213> Glycine max

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<400>        9684
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aactcagcac acggacgtgc gattcaggcg cataaaatat cgagacgctc gaaatagaac  120
```

aacgaatgct cttgagaaat tcaaattggc ataacttgct acacggatgt ccgattcatc 180
 tacataatat atccagacgg tcgaaattga acatcggaag ctctcgacaa attgcaatgg 240
 tcataacttt tcacaaggaa gcccgattct agcgcatcac gtatcgagat gctctgaatt 300
 gaaaaccgga agctctcaag aaattgaaat ggtcataact tgtcacacgg aagtccgatt 360
 cagacgcata atatatcaag atgctcgaaa ttgaacaacg aatgctctcg agaaattcat 420
 atggacataa cttgtcacac gg 442

<210> 9685
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9685

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 tattagaatt tagccttttc aaaccgcca gctaataat gatgatgata tcagttctca 120
 agctgaaaac aacggggtaa agcaacaaa aatgaatata tatatataga gagagagaga 180
 gagagagaga gagagattaa taaaaatcaa ttatatcttc aaaaacactt tttttaccat 240
 attaaaatac aaatagactt gattaattat aaaattagtt gaaaatattt nttatatctt 300
 tgaaaataat taagattatg tntgattaaa ttatttggtt tgggaatatn tattatagtt 360
 gctaaaatat ttttatcatt accttaagga tgttatntgt ttttttatct ttttat 416

<210> 9686
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9686

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 acctattacc cagatgtcgg tgcagcttga taatagtttc ctctcttcc ttggtgtagt 120
 ttctcttttt gaggtttggc cttaggtaat tcagccacct tagtctgcaa ctctctccac 180
 atctcgcaag acctaacaaa ttaataacaa caacaacaaa gtaaaaccaa ttacaatgga 240
 ttcatatatg atttagctat aagctgtgca tgtatataat taaatattga atatatgggt 300

cctacaaatt catgtagaag ttaaaccaaa ccttgaaaac agagaagaag aaaaattgaa 360
agccacattg gcgactatat tgatggtaca tactctcaca tacttaattt gtttctgacc 420
aaactatttg ataagttcca ttcccacctg a 451

<210> 9687
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9687

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ttcacccgac gaagacactg acaaaaactt atcttcttct ttttcgacca agtatgacaa 120
gctgggggaa agtaaat tttccgatca gaccttggat gcaattgtga tcgtatcccc 180
atctcagtta gatcttgacg ggtattcaag ccatccttcg tcttgcccttg aatgttaagg 240
agcgtcccaa tcacattgtc acatacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtata gatcagacca gtacagaaga tcanagaaaa tggacctctt ctccatattg 360
cagtctactt ta 372

<210> 9688
<211> 608
<212> DNA
<213> Glycine max

<400> 9688

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tttatctctt ttctctacta gttcgtcaat tttcttcgat tctttgatgc cctgtttata 120
gtaagagggt tataaatatg gagagaatct ttagtattga aaatataacc attgttgatc 180
ttgattcttt ctccctctta ttgacagttg ttgtgtattt ttgattgatt ctagataaat 240
acattctaaa atagtccttc ataactcaac atagccgtta gacatatata aggaattcta 300
aaatagactt gtagatacat tccatttaat ggtatcattt aatattgcat aaactgattt 360
attctagaaa gtgcataattt aaatatgcat ttggatggat ttggcaagta cttctcatca 420
atcatgttta acatatattt aatcaaatag ttaacacaaa tttatatatt tattttcatc 480
aaaatcttaa gagatgtgtg gatcatccta tgatggattg gctagtttct aatagtgaac 540

acatcactat ggaaaatatt gttaaaaagc tcaacccaaa agaagtgaaa atgttatata 600
tgtacatg 608

<210> 9689
<211> 644
<212> DNA
<213> Glycine max

<400> 9689

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ttctattgcc atgatgaggt catctatagt tttaggagcc tcttttgtgtt gtaatgactg 120
aatggcatta aagaagccaa gatctaagac attaaaatca agcaagtttg ggggttgaga 180
aaccaatcga atgtcaaaac cgccttcact agcagcttaa tggaagtcgt tgtcatcttc 240
atcaatgtga catggagcat tgtcttgttg tatgaaaata gtttctcttc tatcccctat 300
tggccatttt gctttgattg cagacaacac atgatgaata agaaaatgtt tgcttacttg 360
tttatttatt gaagatattg gttttgtttc catagtccct gtatctctgt ttgcactcct 420
tctctttgcc ggttcctttg taacaaatgg aaaaatacca atcttgccat ctaaagtctc 480
attgccatta gagttgaatc tttgtctagc catgacaata agaacataac cttgcaaattg 540
aaattcttgc ttctacatgt tcgatgtggc tctctctccc cagcagccaa gtaataattc 600
atagagttct tgggtcatata aaaccatctt tcatcaatga atac 644

<210> 9690
<211> 539
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9690

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aggtgagttt gaatccttac atatgaaaga gttagagtcc attttcaatt atttctcaag 120
aattctcggt gtttcaaate aactaaaaag aaatgggtgag aagttagaag atgtaaaaat 180
tatggagaat atactacgct tgtagatcc caaatttgaa cacattgttg tgacaatcga 240
ggaaacccaa gatttagaaa ccatgacgat aaaacaactt caaggaccac tacaagctta 300

tgaggagaag cataagaaga tgcaagaagc ataagaggaa gcaagagatc actgagcaac 360
tcttgaagat gcaattgaag gagaatgaag aaagtcaagg aaatgaaaga agtcaacaag 420
gtcgaggtag agctcnaagt cgcagtcgag gacaagttgg atgtggcaac aatagacgan 480
ggttcaaatt catcagcaac agttacaaga aagggaaaag ctcaacanga gaacgtgga 539

<210> 9691

<211> 595

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9691

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attcctttta gatatgatat gtgccaccaa attgcttccc tgtgtctctt gaggacctct 180
accaacccgt tctcttcttc tgccgtagc ttactgttga tcaccacagg cttgggtctcg 240
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ttctcgaatg gactcaagct tttcaattct tcaaaacttg tcacccttgc aggaatgttt 360
tcctcatgat ctaagtcttc caagaaagcc ctagatccc ttttcctcat cactgggttag 420
acaatctaca acattgataa aaactttctc caatgaattt tgtgtgggag agcaccaacg 480
tcttttttat cgacctctc caccttgaag caccttctat cttcccctan gtatttaatt 540
gcttcgaaag gttgaagttt accttttggg cgtcgacact cattttcaga ttacc 595

<210> 9692

<211> 493

<212> DNA

<213> Glycine max

<400> 9692

ttgatgcaac atttgagag gttaatgaaa caacgattat gatgttctcc atgagagggtt 60
ggatcaaatg gagaatatag atctaatgga gaaaaaagg agaaaaaag gaatgatagt 120
ggtcctaaga caaaaccgaa ttgatggtat taaactcaac attcctocat ttaaaggaaa 180
gaatgatccg gaggcctacg ttgagtggga gatgaaaata gagcatgttt tctcatgcaa 240
caactatgag gaggaccaga aggtgaagct tgccgccacg gagttttccg actatgctct 300

tgtgtggtgg aacaagctac aaaaggagag agcaagaaat gaagagccaa tggttgatac 360
atggacggag atgaaaaaga tcatgaggaa gcggtatggt ccggctagtt actcaaggga 420
cttgaaattc aagctccaaa aactaaccca aggcaacaag gtgggtgagg agtatattcaa 480
ggaaatggat gtg 493

<210> 9693
<211> 505
<212> DNA
<213> Glycine max

<400> 9693

agcttgttgt cccttaggat tctcacttat gaatctttta gtactaaaaa caaactcaat 60
ttagaaggag acgacaatgc acctgtgaat agaggaaggt gccaagaatt gcaatggcag 120
caccaagagc attgatgggc tgaacaggcg tgtgaaagat aaggatggaa gagacaatga 180
ccgaaatcct cttcattgtg tttccaatgc tgaatgttaa gggagaaatc tgatcaagag 240
acatgtatga gacttgattg tacaagtggg agaagacact ctgggcagct acccacctgt 300
aaacatcaaa atccattagt taacaacatt ttataaaggg agacataagg ttgggtgggt 360
ggttaaggaa aaatgaaaag aaaaaagac tgaatttact cctccctggt aatgaaaatt 420
aacaaaacta acatctcaca tctgccaata ataaaattca tatagaggat acactatagt 480
aatttggcca gcaccatgaa ataaa 505

<210> 9694
<211> 537
<212> DNA
<213> Glycine max

<400> 9694

agcttaataa atctatgttt gatttaatac aagcctcacg tcagtggtag cttaagtttc 60
atgggataat ttcttcattt gggtttgatg aaaaccacat ggatcaatgc atataccaca 120
aggtcagtgg gagtaaaata tgttttcttg ttttatatgt agatgatatt ttacttgcaa 180
ccaatgatca aggtttgcta catgaggatg aacaatttct ctctaagaat ttggacatga 240
aggatatggg tgatgcatct tatgtcatcg gcattaagat tcatagagat agacctcgag 300
gtatttttagg tctatcatag gaaacctata ttaacaaaat tttatagtga ttttggatga 360

aaattgttca ccaagtgttg ctcccatcgt gaaggggtgat agatttaatt tgaaccaatg 420
cccacaaaat gactttgaaa gggaacagat gaaaaaaatt ccttatgctt cagttgttgg 480
aagcctcatg tatgctcaag tgtgcataag gcctaacatt acttttgcag cttgaat 537

<210> 9695
<211> 559
<212> DNA
<213> Glycine max

<400> 9695

tatactctac ttccatcata attttatgca ttctatacta gtggctaatt cctttaaggt 60
ctaaaatatg ccatccaata gcagccatgt gtttcttgag aacttcaacc aatcagaact 120
cttcaccaga ggataaggta ttactaatca ccacogactt tgcttcattc tcttccaaga 180
atacatactt caaatgcgct agcaggactt tcaagtctac cttgggtttc tctattgtgg 240
gattcttctt tagctcttca aagacacatt cccctaaagg aattaccttt agtttatcta 300
ggacctccaa ataggcctta agatctctct cctcctcttt tgtgagacaa tcaatagcat 360
tcatcaatgc cttctcaagt ggagagttag aggccatggt ttgcaccccc atattagctt 420
ttgctcaatt gtttccactt tgaaacacgc cttgtgatca ttgggatatt ttatttcttc 480
acatgaattg aagggaacttt ttgatcatca acactcattt ctaagttacc attgcccatt 540
gtaactacac acttaactg 559

<210> 9696
<211> 365
<212> DNA
<213> Glycine max

<400> 9696

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tctatccaaa ttgttaaggg ctctcctaaa aggcaatcac aagtcttggg tgttgacaa 120
gtgacctcaa taacttaaga aatgggatga atttaagtta aaaaatttct tatttaatgg 180
actcttaaata cctttttaa tctattttat tagaatattg gagatgaaga tgaaaattat 240
atcaacagaa tacttcaagt gtgcaagata aataaaatat gcaagataaa gtaatcaaga 300
tagggaagag agaaatgtaa acttagttta tcctgggttg accacttcct gtgcctacat 360

ccagt

365

<210> 9697
<211> 506
<212> DNA
<213> Glycine max

<400> 9697

agcttctgtc cctgagaaac tgggtttctg aagacttatg gagtgaagat tgctgaaaac 60
cctagccttg caacaagtcc tagggaagta gacacggaga tggacaagaa aatccgcggt 120
attgtgagta gcattctgaa agatgcttct gtgcctgatg ctgagaaaga tgttccaaca 180
tcttccaccc cagatgtttc tgtgcctgat gtcaataaag atgttccaac atcctccgct 240
ccaaatgctg aagccctccc ttcacccagt gaagaggaat caacagaaga agaggatcaa 300
gcctcagagg agaccctgc accaaggga ccagaacctg ctccaggtaa cctcattgac 360
ttggaagaag tcgaatctga tgaagaacct attgccaaca ggttggcacc tggcattgca 420
aaaaggttac aaagccgaaa gggaaaaacc cccatcaaga ggtctggacg aatcaagact 480
atgggccaga agaagagcac tccagt 506

<210> 9698
<211> 534
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9698

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caagcactgc ttgtgacaat catatataat aaagctttga acctatcatg ccaatcaaag 120
caaggacaga ccacagggga aataatcaac ttcattgagt ttgatgcaga aagagttggt 180
gagttcagtt ggcacctaca tgatctgtgg ttagtagtcc tacaggtttt agtaggcttg 240
ttggttttat ataaaaatct tgggcttgct tcaattgctg gttttgttgc aattctcatt 300
gtaatgtggg caaacattcc cttgggttca acccaagaga agtttcacaa caagttgatg 360
gagtcaagag atgaaagaat gaaagcgaca tctgagattt tgaggaacat gaggattctc 420
aaactgcaag gatgggaaat gaagtttttg tctaagataa ctgaactcag aaagatcgaa 480

caaggctgtn taaaaaaagt tatatacaact ntagtcttga tcatacttat attt 534

<210> 9699

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9699

tgcttctccc attttgtgag ctaaatgctg atttcctggt ttgtttaaaa agataaggca 60
taatcccttc ttttatttca tctatttaat gtttcaagaa attctttcat accttcaaaa 120
ttgacgtatt attttttttc taaatttacc ggtatcaata aggggaaata aaagtatttc 180
aagaaaggac aactcagtta aataaactta ttgtttaatt aggacaattt aataaaaaat 240
aataaattat ttttaattct taactaatgt tcaagggata caagattaca attaaaaaat 300
ttatatTTTT ttaccgagaa aaaggcatta tatttattaa tccttctttc agttttatga 360
attgcttaaa aaaattccat tcattaacta attcatccgt tgcttaatta taaattatnt 420
atTTTTtaaa aattactttt ttagtaataa atgatagaag atatattatt ttaattatnt 480
caataaaaca atatagttaa ataaacattt tttttactta taatcaaatt tatttaataa 540
ttttaattag atcttataaa ataaaccttt aaaagaataa taaaattgca t 591

<210> 9700

<211> 542

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9700

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ttcgtgcca ttcactcttc aagaagcaaa ggaattcatt gatgaagaag atcttaggcc 120
tacaaactct aatggagcta caccaatact aatgccacct ttctttcttt gatgtctccc 180
catttagtgt tgcctaagtc ttgggtgctg cccgaggtgg atgtggtgga tctcttgtca 240
gaagatgagg tagaggacct agaggaggac acttcgtatg aataagacct catcaciaag 300
cccggcttat ggaggaagat tcttcaaagg attcatctga ggattctcgt tagaagggtc 360
ttctccatcc aactntattg aattcttttt gtggatacaa ttgactttgg gcttgggtaa 420

ggatgactac tctaagtttt aggattttcc ctttatatgt attttgggac aagtagacct 480
atgctcagac cttttgtaat tattaatcat gactacttac attattgggtt tggggttggat 540
at 542

<210> 9701
<211> 668
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9701

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cctccttttag aaatgaaatg aaaatgtctt aaatctcatt attggttatg agaaattcta 120
tctgtatgct ttcattcctc cttcgtcgca ttattttttg agaaaaaaaa atgtgtgttg 180
ttctgatcgt attggggggtt tgtttcttta ccaagcacgt tcgcatttta gtgaaagctt 240
taaggaaactt caatgtcttc tgtcttttac ttttcaagac ttcaatgtct gaattcttta 300
cattttcaag acttcaatgt cttcagtctt tacttttcaa gacttcaatg tcttcatgtc 360
ttcagtcttt acattttcaa gacttcaata tctttagtct ttacgtttca agacttcaat 420
gtcttcagtc ttttatgttc ctaaagactt aatgtctcct atttttgnta tgcaagccta 480
caacatcttt tgcttaatac ttttgatact tccgtattga tatecttttg ttctttttat 540
aagggttcaact tccttggtt tcgctaagtt ccaaccgat agcatgatcg cttgaatgaa 600
actagtggcc ttatctttac ttaccttttg attttcaata aaagataagt aaaaaagggg 660
cactatca 668

<210> 9702
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9702

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gaagcaaggc attgtgacac tttctacttg tgaagccgag tatgtagctg caacttcttg 120
cacatgtcat gccatttggc taataagatt gttggaggaa cttcagctgt tgcaaaagga 180

aagcacaag atctatgttg ataatatatc tacacaagag cttgccaaga atccggtggt 240
ccatgaacga agtatgcata tagatacaag gtatctttcc attatagagt gccttaccaa 300
gaaagaataa aaatcgactc atgtgaaaac ccaagatcaa gttgcggata ttttcaccaa 360
gcctctcaaa attaagatct tttaaaattg ccagcaaaac ttggtgtgca gaaaaatttt 420
ccaa 424

<210> 9703
<211> 588
<212> DNA
<213> Glycine max

<400> 9703

tcaagctttt agtcttcaag aacataatat aaagaaagtt cgttttttct attgaggcag 60
aaaggaagat actggatcat agagtgaatg aactgcagga tagacaagaa accgcagctg 120
aattagagga gaaaatgaga tctcaaactg gtttactggc tgccaaagat caaggtgagc 180
tttgtctgat tccttctctt ttgagaagtg atcttgtaat attttttatg gatgagaaac 240
ttacatttct ggaacttaat ggtttattgc agaaatcgaa gcactaatgc atgcacttga 300
tgaggaagaa acgcagatgg aagaattaac aaataagatt gtggatcttg aaacggtagt 360
tcaacaaaag aatcaagaga ttgagaacct tggatctttc cgtggtaagg ttatgaaaaa 420
gctttccata actgttagta agtttgatga gcttcaccac ctgtctgcaa gtctcctttc 480
tgagggtgaa aagctccaat cccagttgct agaaagagat actgaaattt cttttttgag 540
gcaagaagtt actagatgca cctatgatgc tcttcttgat cacaaatg 588

<210> 9704
<211> 573
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9704

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tcgagacgct cgaaattgaa tgttgaacct ctgagcaaac tcaaacgaca ataacttttt 120
actcggatgt ctgattgagt cccgtcatat atcgagacgc tcgaaattga atgttgaacc 180
tcatagcgaa ttcaaaccac aataacttta tactcggatg tctgattgag tcccgtata 240

tatcgagacg ctcgaagttg aatgtttaag ctttcagcca tttcaaacga taataacttt 300
 ttactcggat atctgattga gtcccgtaat ataacgagac gctcgaaatt gaatgttgaa 360
 gctctgaact agttcaagcg acaataactt tttactccga tgtctgattg agtcccggaa 420
 tatatcgata cgctcgaaat tgaatgttga atctctgagc caattcaaac gacaataacc 480
 ttttactcgg atgtctgatt gagtcccgaa aatatcgaaa ccctcgaaaa tgaatgttga 540
 atctttgaac caattcaaac gaacccaaaac ttt 573

<210> 9705
 <211> 470
 <212> DNA
 <213> Glycine max

<400> 9705

gcttcacgtt cattttcagc gtctttatag tttcgggact caatcagaca tccgagaaaa 60
 aagttattgt cgtttgaatt agctcagaag ttcaacattc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgagtaa aaagtcattg tcgtttgaat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tattacgagc ctcaatcaaa catccgagta 240
 aaaatttatg gtcgtttgta ttggctccga gcttcaacgt tcattttcga gcgtctcgat 300
 atgttacggg actcaatcag acatccgaga aaaaagttat tgtcgtttga attggctcag 360
 agattcaaca ttcaatttcg agcgtctcga tatgttacgg gactcaatca gacctccgaa 420
 taaaaaagta attgtcgttt gaattggctc agaacctcaa cattcaattt 470

<210> 9706
 <211> 551
 <212> DNA
 <213> Glycine max

<400> 9706

tgtgggattt tgtgatagtg attttgccgg agatgctatt atagaaaaag tactaccgga 60
 tttgtatttt ttatgggtga ttgtgttttt acatggagtt ctaagaagca aggcattgtg 120
 acactttcta cttgtgaagc cgagtatgta gctgcaactt cttgcacatg tcatgccatt 180
 tggctaagaa gattgttgga ggaacttcag ttgttgcaaa aggaaagcac aaagatctat 240
 gttgataata gatctacaca agagcttgcc aagaatccgg tgttccatga acgaagtaag 300

catatagata caaggtatta ttccattaga gagtgcatta caaagaaaga agtagaattg 360
 actcatgtga aaactcaaga tcaagttgcg gatattttca ccaagcctct caaatTTgaa 420
 gattttcgaa gattgcgagc aagacttggg gtgcagaaga attttccaat taagggagga 480
 tgtagatat taattagacc aatattaata acaagtttta tgagccttaa attgtggaag 540
 atgaaagttg t 551

<210> 9707
 <211> 583
 <212> DNA
 <213> Glycine max

<400> 9707

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 ccctcattaa gaactagctc ttttcttctt ttattgcctt tagttgaata cacctttgtt 120
 tgattctcta tttggttctt aaccactca tgcaacttct ttacaaacat tgacctagat 180
 tcccccttctt tatgtataaa agaagtgtct agtgggaggg ggaatgaggt ctaacggttt 240
 tagcggattg aaccataga caacctcaaa aggtgactgc ttggtggttt tatgaacccc 300
 cctgttttag aaaaattcta catgaggaag atactcatcc caagacttat ggttgccatt 360
 cagaagagcc cttaaaaggg tggataaaga cctattcact acctttgttt gccatcaat 420
 ttgtggttaa gaagtggtag tgaaaagaaa gttagttcct agcttatccc ataaggtttt 480
 ccaaaagtgg ctaaggaact tggcatctct atctgacaca atggtccaag gcaaaccatg 540
 gagtctcaca acttccctaa aaaaaagttt gagatgtggg aag 583

<210> 9708
 <211> 559
 <212> DNA
 <213> Glycine max

<400> 9708

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 acacacactt tttcctagtc gatcactcac ttaattttcc attctcccct tttgtttttg 120
 agtttatgct tcaacttgaat ttaagttaat tacttatgtg agttcttgat ttaatccata 180
 tttctctccc cctttggcat caataaaaaag ccaaagtgca taacaagtat aaaacatata 240

tacactatta atcattcaca agacattcat tgaagaatat aaaaccaatc atgaagcaag 300
aaacatgaat agatcaaata tataaaaaacc acatagtcac ataacataat tcatgatttt 360
tcaaacatac catgcaaata aaagaaatac taaattgttc aaatgtcata ataatatagc 420
aaaatacatg gctagaaaac aaagtgttag taatattaaa aatattagaa aaactaaaat 480
gatggtggcg gtggtggtgg tagatcaaag cttgtacgaa tgtaagaaac atcttcttca 540
accttggtga ttcttgact 559

<210> 9709
<211> 434
<212> DNA
<213> Glycine max

<400> 9709

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gaatggagaa ggaggaaagg tgattataga tgtcacttca aggaaaaaat gagtcaaaat 120
caagttcacc accataggaa gccatggata agagctagaa agtacggaaa gatgagtgga 180
gggagagggg gaaagaagag ggtaccttag taatgtagga tttttcagcc cttgtatttt 240
aggacactta tactagtctt tgtattaaga ataattttat aatttcacat gcattaaaatg 300
tattatttga tgtgtgtatg ttggtagata aattcaattg aattagaaga agcacaatgc 360
acatgatgta gtaccatgtg agatgtgttg aaagtgaana caagatcata gagagaaggg 420
gttgacatca tgga 434

<210> 9710
<211> 546
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9710

agctttactt catttcttca agtagtgtat gatttgcttc cagattaaaa cacgttgcct 60
aaaagttact atcaggccaa gaaaatacta tgtccgatgg gtatggagta tcaaaagatt 120
catgcttgcc cgaatgattg catactatac aggcatgaat tcaaagaaat gtccaaatgc 180
cctaggtgtg ggtcgtcacg gtacaaagta aaggatgatg aggactacag ttcggatgaa 240

aactcaaaga agggcccttc aatgaagggtg ttgtggtatc ttcccatcat tccaagggtt 300
aagcgtcttt ttgctaattg agacgacgca aaagacctta cctggcatgc aaatgggaga 360
aactctgatg gaatgggttg tcatccggct gactgctccc agnggaagaa gattgatcgt 420
ttgtatccgg atttttagcaa agaggcaaga aatcttatgc ttggactatc cagtgatgga 480
atgaatccat atgacaatnt aagcactcaa cacagttcat ggccagttat gctagtaatt 540
tacaat 546

<210> 9711
<211> 518
<212> DNA
<213> Glycine max
<400> 9711

tgccctaatta acctgaaatt gagagaaaat gattacctaa cactcaaaat ggaagtacta 60
agtattttatt acctatgctt agtagaaaat acttataaca ctacaaaata accataaatt 120
ggaagagttt gatacaattt acacaagttt tatacacaaa agttagtcgt attcatcgac 180
taacaccagt ccccatgaaa agttagcaat ttccagtgtt gaaaccaaac ataattttgc 240
ctcatcatcc aacaccagta ccataaacat aaaatgcttc aaatgcttag gcagaggaca 300
tattgctttt gattgtccaa cctggaggac cgtgatcatg aaggcagatg gagaaatcac 360
cagtgaatct aaaatcaatg aagaagaagt ggaagaatag cttgaggagg aagctatgta 420
gggtgatatg ctaatgggtga gaaggctctg gggaagtcag atgcagccac tggacaacac 480
tcaaagagaa aatattttcc acaccagatg cacaatta 518

<210> 9712
<211> 609
<212> DNA
<213> Glycine max
<400> 9712

agcttatgga tggcgtgtct ggcttccttt tggatatttt cctgttctcc tattcaaggt 60
acaaccaaatt caggaagcac cctctagatg aagagaaaac cgccttcata actgaagaca 120
ccaatttttg ttacagggtc atgccctccg gactcaagaa tgcaagagcc acatacaaaa 180
ggatcatgga cggggtcttt aaacaacaaa taggccaaaa tgtcaaattc tatgtggatg 240

acatggtcgt caagtctcat agtgtagccc aacacttaat agatttggag gaagtgtttg 300
 gagagattca caagtataac atgtgcctca atcctgaaaa gtacacattt ggggttgga 360
 gtggaaaatt cttgggcttc atgatcacco acaaggaat taaagccaac cttgacaagt 420
 gtacgatgat actagaaatg cacaatccta ccaatgtcgg agaagtggag aaactaaaaa 480
 gtagactgac gtctttgtcc acgtttctcc cgaagcttgc agaaaaggcg aggccattct 540
 acaagttact caaaaatact gagctgtccc caaacaatg tgtccctggg cgaatctcaa 600
 aggctcgtc 609

<210> 9713
 <211> 526
 <212> DNA
 <213> Glycine max
 <400> 9713

agcttcaaca ttcaatttcg agcggcttta tatatttttg tactcaatca gaaatccgag 60
 taaaaagtta ttgtcgttgg aattggctca taggttcaac attcaatttc aagcgtctcg 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 agaggtttaa cattcaattt caagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300
 cgatatatta cggcactgaa tcggacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
 ttagagcttc aacattcaat ttcgagcgtg tcgatatatt acgggactca atcggacatc 420
 cgagtaaaaa gttattgtcg tttgaattgg ctgagagggt caacattcaa tttcgagcgt 480
 ctcgatatat tacgggactc aatcagacat ccgagaaaaa agtatt 526

<210> 9714
 <211> 447
 <212> DNA
 <213> Glycine max
 <400> 9714

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 atgacattag agttccactc ttgaagaagg aagttgaata tactgaaaat ttgatgaaag 120
 gtcataggga gcaatgggtc aagtatggtt gtactattat gtctgatgca tggactgatc 180

ggaaacaaag atgcatcatt aatTTTTtga ttaactctca agctggttcc atgtTTTTga 240
 agtctgttga tggatctgat tttgtaaaga aaggTgaaaa gctTTTTgag ttgcttgatg 300
 ccattgtggt ggaagttgga gaagagaatg ttgttcaagt tgtaaccgat aatgggagca 360
 actatgtttt atcacgtaag ttgttagagg agaaaaagaa acatatttat tggactcctt 420
 gtgcagctca ttgtattgat ttgatgc 447

<210> 9715
 <211> 602
 <212> DNA
 <213> Glycine max

<400> 9715

agcttctcga tatattatgc cctgatttg gaccctTTTT tgataactta tgaccatttg 60
 aatttctcaa gagctttcgt tgtacaattt cgagcgtctc gatataattaa ggcctaaat 120
 cggacctccg tgtgataagt tatgaccatt tgaatttccc gagagctttc gttgttcaat 180
 ttcgagcttc tcgatataat atgcgcctga atcggacttc cgtgcgaaaa gttatgacca 240
 tgtgaatttg tcgagagcat tcgttgttca aattcgagcg tctcgatata ctatgcgcct 300
 gaattggacc tccgtgtaac aagttatgac catttgagtt tctcgagagc atttgttgtt 360
 cattttcaag cgtatcgata tactatgcgc cttaatcgga ctctatgtga caaggatga 420
 ccatatgaat ttctcgagag cattcgttgt tcaattagga gcagttcgaa atattattgc 480
 gctctaatacg gacttccgtg tgacaaggta tgaccatttg agttttctcg tgagcttccg 540
 gtgttcaatt tcaagccttc tcgatataat atgcgcgga acggatattc catttgaaat 600
 tg 602

<210> 9716
 <211> 571
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9716

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 aatcaatcca tcacatccaa attcagcaaa acaataataa agcaaaatcc aaaaacagta 120
 gttcctatat ttccaaaga ctgacaaaca caaatacata caaaatacta catattgaaa 180

cattcaactt gatataatattt ttccattttc accttgcccc aaagtccaga gtccttatca 240
 taccaatacc tcccaggctt caacttctga ggagggatag ggcagcccag aatctcagcc 300
 aactcctctt gtcttaactg cctgccattc acaacaagct gctccggccg aagctgattc 360
 gcaggacact ccttttcagc cctcattatc tgattaatct ccaaagaact acacactttc 420
 gacaacattc tggaacactt tcccaaagtc gacctcttcg actcatcaat tggcttccca 480
 atgcaactca cgcatttcct tccctcaggc atagacccca tcgctttcag cacacaggta 540
 ctgcaatacc ttgaataaca caccaaacac g 571

<210> 9717
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 9717
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 tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt gctgagtcct tcataaaaat attggagaag aagctgctct gaaatctgat 240
 ggtggggggca actggcacat agtttcttaa atctctccta gtactcatac aggctctctc 300
 cactaagttg tctaatacct gagatacct tcttgatggc tgtggctcctg gaagcaggga 360
 aaattgtttc taagaatact ctcttaaggt catccagct cgtgatggac ctttgagcaa 420
 ggtaatacaa ccagtccttt tgccactcct ctaatgaatg 460

<210> 9718
 <211> 580
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9718

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 gcagaacaat tatgacctct ccagcaacag atacaaccct ggatggagga atcacctaa 120
 ccacagatgg tccggccctc agcaacaaca acagcagcct gctccttctc tccaaaatgt 180

tgttggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
 atagccaaca gttgaggccc ctccacaacc ttccctcgaa gagcttgtga ggcaaattgac 300
 tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
 gatggggcaa ttggctaccc aattgaataa acaacagtcc cagaattctg acaagctgcc 420
 ttctcaagct gtccaaaatc caaaaaatgt cagtgccatt tcattgaggt cgagaaagca 480
 gtgtcaagga cctcaaccg tagcaccttc ctcatctgca aatgaacctg ccaaacttca 540
 ctctactcca gagaaagggtg atgacaaana tttacctaac 580

<210> 9719
 <211> 536
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9719

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 ggcaaccaga aaagatcatt ttcccctgcc attcattaat caaatgcttg agcacttagc 120
 aggtaagtct cactactatt ttcttgatgg tttttctggt tatttacaaa ttcattattgc 180
 tcccgaggat gaagaaaaga ccacattcac ctgtcccttt ggcacttttg cctataggag 240
 gatgcccttt ggccatgca acgcccctgg taccttcacag cgggtgatgc ttagcatttt 300
 cagtgatctt ttagagagtt gcatagaggt gtttatggat gattttactg tttatggatc 360
 ctcttttgat acatgtttgg atagtctgga tagagttctt agtagatgca ttgaaactaa 420
 ccttggtgctg aattttgaaa aatgtcactt catggaagaa caaggtatag ttttagggaa 480
 tatcatttcc agtangggca tagaggtaga ccctgcaaag atagctgtta tttcac 536

<210> 9720
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 9720

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 tcggttccaa acatgatgtc tcaagaagca atacctgctc cttccaacaa taacaacctc 120
 agagactcca cggttcaact tcatgaacca aactcaaacc ctaatcctaa ccctaattcg 180

gttaagagaa aaagaagcct acccggaaca ccaggcaagt tattatttaa ttaaatacctt 240
 ctcttctgca tactatatat gtacttactg ttctgattct taattcagaa aaaatatatt 300
 tgtaattaat tacgggttaa ttatgtggtt gtggttgcac ggaccaagca gatccgaatg 360
 cagaagtgat tgctctgtcg ccaaagtcgc tgatggctac caaccgattc atctgcgaag 420
 tatgcaac 428

<210> 9721
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9721

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 aatgatttgt aggtactctt ctagaagggt ctctacagaa caagccttga gtaagttact 120
 acttggttca gttttttttt tttggggggg ggggggggtn tntggntatt tacanattct 180
 tattgctccc tatgatgaag aaaataccac attcacctgt ccctttggca cttttgccta 240
 taggaggatg ccctttggcc tatgcaacgc ccctgggtacc ttccacctgt gtatgcttat 300
 ctttttcaat gatttttttag agagttgcat atagggtgtt atggatgatt ttactgttaa 360
 ggatcctctt ttaatcatgt ttggatagtc tggataagtt cttttaaata gcattgaaca 420
 aacctttggc tgaaatttta aaaatg 446

<210> 9722
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 9722

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 gggcataaat tttcacacgg atgtccgatt cgggcgcata atatgtcaag aggtcga 120
 ttgaacaacg gaagctcttg agaaattcaa atgggtataa aatttcacac ggatgtccga 180
 ttcaggcaaa tcacatatcg agacgatcag aattgaacaa cggaagctct tgagaaattc 240
 aaatggatcat aacatttatc tcgaatgtcc aatttaggcg catcacatat agtgatattc 300

gaaattgaac aacagaagct ctcgtgaaat tcaaattggct ataacttttc aactgaggt 360
 ccgattcacg gttataatat atcgatacgc tcgaaattaa acatcggaac ctctcgagaa 420
 attcaaaaaga tcattgacttt tcacacggat gtccgattct ggcgcataat atgtcgagag 480
 gctcggaatt gaacaacgga agctcttgag 510

<210> 9723
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 9723

agctttgagc aaattctttc gacaatttcg ttttactcgg atgtccgatt ggtccccgta 60
 atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaattcaaa cgacaataac 120
 gttttactcg gatgtccgat tgagtcctcg aatctatcga gacgctcgta attgaaaaca 180
 gaagctctga gcaaattgaa acgacattaa ctttttactc ggatgtccga gtgagtcctg 240
 caagaaaccg acacgctcgc agttgaaagg ggaagctctc ataaacatcc ctgcactata 300
 acttt 305

<210> 9724
 <211> 583
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9724

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 aaagcaggat aagttggaac caagggcctt gaagtgtatc ttcattaggc atccacaggg 120
 agtgaagaga taaaaactgc ggtgtttgga acctagacac aagaagtgca tcatcagaag 180
 agttgtaatg tttaatgaac ttcaaatgga aaattttaatc ctgccattca agtctgctgg 240
 aagttagagt tcacaagttc aggtgaagtc tgaagagatt gtaaagctc aataatagta 300
 atggcaagag acaagtttgt tcctgcatct agacaagcaa atgaagaagc atctcaagat 360
 tattgttttag ctagagatag ggaaataagg acaatcaaac ctctgaaag atatggatcat 420
 gcagatctga tctcctatgc tntaatagtt ggaaaggaga atgaagatca ggaggaacct 480
 cagtcctatg atgaggccat aaagcagcag gacaactcan aatggattga agctatggaa 540

gaagaaatga cttctctaga aaagaatcan acttggatac atg

583

<210> 9725

<211> 544

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9725

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tagatatatt tatctattga acagaactgt caaaaataact agtcactata taatgatctg 120

aactacatct cacctgaaag tcaatgaagt aagcatgctg tataaaaagt aaacataatt 180

acaaagtcag cgaatttatt atcaatgaaa tgaaataata gttttaacag tctcaaattc 240

actataacac aaagtaaact tgattagtag ctcccagaca tcaatggtaa ggagtggctg 300

caagagataa aaatgaaatc tcgtcagaca ttttaacat gatgcttcag ccttatccta 360

gcattcatgt ttcaaaacat aaaatgaatt atggatatta tgtaatcctt actacttaca 420

taatagtagt ttcaaacaaa ggggttcaca gcattgggag tcttcaccac aactagcttc 480

ttgtcctcac cagattgaag aggattcaga acatntccca cgtcaagtct gctttcttta 540

tcta 544

<210> 9726

<211> 571

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9726

agcttggaga ggatgcttca atggagtttt aagatttatt gagagaaaga gagagggggg 60

agcacgaaat tgaaggaaga aaaagagagc gaagttgaac tttagattat gtctcacaag 120

actctctttc atcaaagtta caacaagggt tccacatgct tctatttata gactaggtag 180

cttccttgag aagctttctt gagaaaactt ccttgagaag cttctttgag aaaacttcct 240

tcagaagcta gagcttagct acacataccc ctctcataac taagctcacc tccttgagaa 300

gcttccttaa gaagattcct aaagaagcta gagcttagct acacacacct ctctaatagc 360

taagttcacc tccttgagat gagaagctag agcttagcta cataccccct ataatagcta 420

aactcacccc tatgccaaaa aacatgaaaa tataaaaaaa gtcctacta caaagactac 480
 ttccaatgaa ggtaagtaaa ttgcanatta caaaattaca aaatggctct caattntggg 540
 ggggttttctc tctttgggtga ttcaactcaat t 571

<210> 9727
 <211> 500
 <212> DNA
 <213> Glycine max
 <400> 9727

tgacgacgat gatgagggat atgcaaattc tgttctgtga cagaagtgga aagtaagcat 60
 gaggcatacg ctggaccaac caaacgcggg cttccggatg gtgggatatt gatgagtgga 120
 tgtcacactg accaaacttg tgcttatgca agtactgcgg gcaacgctgc cagagcttat 180
 ggggctttta gcaatgctat acaggctata attgaggaga ctgatgggtgc aatcacaaac 240
 caagaacttg ttcaaagggc aagagagaag ctgaagaact ccggtttcac acaaaaacct 300
 ggactctatt gcagtgatca ccatgttgat gctccttttg tgtgttgatc tcttctcatc 360
 tgatgactga tgcataaaaa gagagaataa tgtgtgttgt ttatagaatg ctggtgtata 420
 gatgtatatg tttggacaat catattgaag ttatgtgtgt gatcatacag gttttctatg 480
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<210> 9728
 <211> 484
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9728

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 tggatatctt cctgacaaaag ttaggggtgc cataactcgt ctatgctttc tttttaatgc 120
 tatctatagc aaagtcattg accctagaaa attggatgaa ttggagaatg tggcttccat 180
 tgccttttat caaatggaga tgtattttcc tccatcattt tttgacataa tggttcactt 240
 aattgttcat ctggcgaggg agatccggtt gtgtggctct tttttttacg gtggatgtat 300
 ctagttgagc gatatatataa gttgttaaag gggtatacca agaataata ccgaccagaa 360

attttgattg ttgaaaggta tgttgctgaa gaatgtatca agttttgctc ccaggacatt 420
gaaattggta aatctgtcgt ccttcctgaa actcatcatg gccggacacg gngggggggg 480
gggg 484

<210> 9729
<211> 373
<212> DNA
<213> Glycine max
<400> 9729

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ttcacccaac aaagacactg acaaaaactt atcttctcct tcttggacaa agtatggtag 120
gctgggggca agtaaatattt cttcccatca gaccttggat gcaactgtga tcttatatcc 180
atatcagcta gatcttgacg ggtattcaag ccctccttcg tcttgccttg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcactcca gtacggaaga tcaaagaaaa tggacctctt tttccatattg 360
caactctgac ttt 373

<210> 9730
<211> 569
<212> DNA
<213> Glycine max
<400> 9730

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ccctttcttt gttttgaagc tcattacaag ccttaagtga aaaaccatga tatcacctta 120
cccttaagga attttggagc tttggaattg ttttgggaat aagtgtgtgt gtgtgggggg 180
gggagggcat gcataccata cattcctcca ccaatccaac aacagcaaca accccagaaa 240
caaccaacag ttgaggcccc tccacaacct tccctcgaag aacttgtgag gcaaatgact 300
atgcagaaca tgcagtttca gcaatagact agagcctcca ttcaaagctt aaccaatcag 360
atgggacaat tggtaccca attgaatcaa caacaatccc agaattctga caagctacct 420
tttcaagctg tccaaaatcc ctaaaatgtc agtgccattt attgaggtcg gaaagcaatt 480
gtaaaagacc tcaaccggtt cacctttctc atttctaattg aacctgccaa acttactcta 540

tttcagaaaa tgggatgaca aaatttacc

569

<210> 9731
<211> 519
<212> DNA
<213> Glycine max

<400> 9731

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ccattgaatc aacaattgag acatggtagc ttctaaatgt ttgacaactc gaacattcaa 120
caccttccat gggcaaagtg ttgggtcccag ttactagaa gtgagtggaa aaggaagata 180
tggtggagga cttttgccat gaaatggttt cagaagagca atatgaaata caagatgtat 240
tttagcagac tcgggtagtt gtactttata tgcaacagta ccaattcttt caatcactgg 300
aaatagacca aaatagtgcg tgcctagctt ccgatgcttc ctcaaagcca ctgaatgttg 360
cctataaggt tgtagcttaa ctaaaaccaa atcaccaacc ttaaattgca aatctcttct 420
tttcttatca tcttgcatct tcatatatgt ttgagccctt agtaaattac ccttaagctt 480
gctcaaagtt gatcaacata gtgtaaaaat tcttgagtg 519

<210> 9732
<211> 426
<212> DNA
<213> Glycine max

<400> 9732

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ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccctc tataatagct 120
aagctcacc ccatgacaaa aaaaaatatg aaaatacaaa aaaaaagtcc ttactacaaa 180
gactactcaa aatgccccga aatacaaggc taaaacccta tactattaga atggccaaaa 240
tacaaggccc aaacaaagaa aaaacctatt ctaatattta caaagataag cgggtcatgc 300
ttagctcatg ggctcggaat ctaccctaag gctcatgaga accttagggc cttcccttgg 360
atctctagcc caatctactt ggagtcttct acccaatgcc ctgcggggat aggattgcat 420
cattcc 426

<210> 9733

<211> 594
 <212> DNA
 <213> Glycine max

<400> 9733

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cactactcaa gcttcatgat gatgaatcaa gctgattcag gaaggggtggt tgacatcttg 60
agatgatgac aaaaagccca atagagtgat ttcaagattg agtcaacaat tcaagaatca 120
agagtcaaca cttcaagaat caagaaaaga taaattcaag tttcaagaga agaaatcaat 180
aagacttcac aaggggaagta ttgaaaagtt ttttcaaaaa acaaacatag tacagttttg 240
ttttccaaaa gaaggagaat caggattagc taagttacca gagctgttac tctctggcaa 300
tagattacca gtttcctgta attgagtacc agtggcaaag attgttttca aaagctttca 360
actaaattta caacgttcca attaatattca aaatgggtgta attgattaca agatattggt 420
aatcgattac cagtgtggtt gaacattgaa attcaaattc aattgtgaag agtcacatct 480
ttgcacaaaa atgctttgtg tgatcgatga ccaagatttg ataatagcat tccaatgaca 540
agttttgaac aaaaatcaaa agatggaact ctttcaatgg ttttaaattt tttt 594
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<210> 9734
 <211> 460
 <212> DNA
 <213> Glycine max

<400> 9734

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gaacaattat gacctctcca gcaacagata taaccttgga tggaggaatc accctaacct 120
cagatggtcc agccctcagc aacaacaaca gcagcctgct ccttccttcc aaaatgctgc 180
tggccaagc agaccatata ttctccacc aatccaacaa cagcaacaac ccagaaaca 240
accaacagtt gagggccctc cacaaccttc cctcgaagaa cttgtgagge aaatgactat 300
gcagaacatg cagtttcagc aatagactag agcctccatt caaagcttaa ccaatcagat 360
gggacaattg gctacccaat tgaatcaaca acaatcccag aattctgaca agctaccttc 420
tcaagctgtc caaaaatcca aaaatgtcag tgccatttca 460
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<210> 9735
 <211> 605
 <212> DNA

<213> Glycine max

<400> 9735

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tagaataaaa aggtatgggc aaaagagtat tctatataaa atatatctcg atacgagtcc 120
tcgaactata gagtatcaac attgctaaga acaagaaatc acgaacaacc atactatcta 180
tgcaattaag gcaaaacacc atactactaa cataccaga attataaggt tcttataata 240
agtatacaac gtacatataa gaagtaagaa tttaatagtt aataaggatg tattaagaa 300
tcacaaactt caactactac attcacgact acacacaaaa taaagtgagt taagtagtca 360
tgcgtttaca catcaagaaa ggcatactca tccaagacat atatatgggt caaaagggtt 420
tcacaacact aatccacaca tcaagataga aataagttta ttaacaacat acaagcaaga 480
agataagggc ctcattaagc attatccatc agtatcaaag cttcttgcat cacctaacgy 540
cttaccataa tgtcgaacc gacttcacaa attatagaga tgggcagctc cataactcat 600
gactc 605

<210> 9736

<211> 604

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9736

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caagactttc tgtgattggc ttaaagatac aatctttgta gatgagaatg ctttagaaac 120
attaagaaag ctagcagatg ggcctaaaag aaatgttata acctggcaag gatacgacat 180
aaacaagtat tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgacgcca atccctgtgt 300
agctttcatc cttactttg gggtcattga tgaaatttgg gagcttaatt atttgaaatt 360
tacagtatgt gttttcaa atgtaatgggt tgacagcaac accggtgtgc gcaccgatga 420
tataggattt acgctggtag atctaaagaa acttggttac cacaatgacc ctttcatcat 480
ggcagaacaa gctagacaag ttttttacgt gcaagaccct tgtgatgaaa ggtgggtgtgt 540
ggttctgcan ggcaaaatag ttggtgttaa tgtagaagat gaatattcat acatggacac 600

ctat

604

<210> 9737
<211> 376
<212> DNA
<213> Glycine max

<400> 9737

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cgccataaac ctagggaact atacaaaaac agatcggccc ctggatggag gaatcgcggt 120
aacctaaaat ggccacacacc atcaaaccag ccacacacca tttggtcttc cataacgaag 180
gcgcttaggc cgccataacc gcccttatct ccaccagatc tacacctaac tcaagcccat 240
atacaagacc aaccgaagc ccactcacgc catccacctt aacaacgagg gggccaatga 300
ctatacaaac catgcacttt cagcaagaga ctaaaggctg ccatccaagc ctaaccatc 360
agaggcgaca ttcggc 376

<210> 9738
<211> 644
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9738

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actaatatag acatattata aattatTTTT taatttctat tctaaaatat taatttaaaa 120
tattataata aataaagcgt tagtatttaa tattattatt attgaaatta atttttgatt 180
tagtatttga gatttgaata aatatgaaca aaaaagttac taaatagcat ccttcattat 240
tggttttttt taaaaaaatt taatgattcc caaagagtt aaataatcaa attatcaatt 300
gttaacaatt ttggttaaaa caaccatag tgaacagac aaaatattaa taagaaataa 360
acttattgaa tttgaaggtc ttaaaaggaa aaaatgcaca tccgtcataa atttaagaca 420
aagaactttt anaattcttt aattaacatt ttaaccattt atatttgaac aactgtttca 480
aaaaaaaaat tcttacagaa tcatttatac tatttaaccg tgctggaaaa aaaaaacca 540
caactcttga attttatttt aatgcacatt tcttatttat aaagaataga aaggggttgg 600

tgcattttct taattccttg ccgatgggtt aaaaaagaaa agaa

644

<210> 9739
<211> 333
<212> DNA
<213> Glycine max

<400> 9739

agctttttta tttgcttgat gccatttttg atgaagttgg agaaaagaat gttgttcaag 60
ttgtaaccga taatgggagc aactatgttt tagcgggtaa gttgttggag gagaaaagga 120
aacatattta ttggactcct tgtgcagctc attgtattga tttgatgctt gaagatattg 180
ggaagcttcc cttgataagg aagaccatta gaagggcaat taatctactt gggttaatgt 240
atgcccattc tagtacctta agtttgttga gagattttac aaacaagaag gaattggtga 300
gacatgctat tactagattt gccacttttt atc 333

<210> 9740
<211> 596
<212> DNA
<213> Glycine max

<400> 9740

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tcttcogtgg cttattcctt aatggatggc gcctcctctc acctcctttc ctttgtcttc 120
cgctgcatct ccatggtgga aaatcaccat taaaggaccc cattgaagct caaagatcca 180
gcctccatag aagccccaca agcaagcttc catcacttag gctataaata gaggccatgt 240
gtatgcattt tttcaacttt gatcatttga gaattacact tcaaagttca tacctctttt 300
gaggcacaaa attttgagcc ctttctctgc ctctgcctac actcatcttc tcctaccttc 360
aagctcttat ccaaggcttc ctatgggtgg gagctgcttc ttgactcatc atttccttga 420
agaggcatct ccaatcatca ttcttccttc tttattctgc tgtcattaaa cttcatgcag 480
caaaggactc cattgatgaa gaagatccaa ggctacaaa ctgcaatgga gctacatcat 540
gtggtatcaa gagcatcttc atctaggtga agtgcttttg cttcctttat cttttt 596

<210> 9741
<211> 572
<212> DNA

<213> Glycine max

<400> 9741

agcttgagct tagctattca tacctctcta atagctaagc tcacctcctt gagatgagaa 60
gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaacat 120
gaaaatacaa aaaaaagtcc ttactacaaa gactactcaa aatgccccga aatacaaggc 180
taaaacccta tactactaga atggccaaaa tacaaggccc agacgaagga aatacctatt 240
ctaataattta caaagataag tgggctcata cttagcccat gggcttgaaa tctaccctaa 300
ggctcatgag aaccctaggg tcttcccttg gatctctagc caatctactt ggagtcttct 360
acccaatgcc cttgcggggg aggattgcat cagaaaggct acccttcaaa gacggctctc 420
caaccgatgt cgggtattcaa cgacactgtg ttaccaccac acgtcataac cgatgtagaa 480
atgtcattag agccgatgta gaaggccttt ttttttaata ttgaacttaa gttccatcat 540
catgttattg ttgcgagcag aacatatata ta 572

<210> 9742

<211> 514

<212> DNA

<213> Glycine max

<400> 9742

agcttctggg gggacatttt gacttgtttt ccaatctgac attcaccaca gattctgcct 60
tcttctattt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttgag 180
gatagacatg tggaggagta gcttgtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360
agtcccttca ccagcagtac tttgtccaga ctaagaagtc catcatgaac tagccttccc 420
attccaatga tctttccttt agagccatct tcaaagtca catagctagt ggagcagggc 480
tcaatgttca ccaagaattc tttaacttct gtca 514

<210> 9743

<211> 424

<212> DNA

<213> Glycine max

<400> 9743

tgtagggtta aagtctcacg ataggcactt gctttttctc aattgtgagc cgtggctata 60
cgagacatct tgccaaacaa agtcagggtta gccataactc gccagtgtt tttcttccat 120
gctatatgta gcaaagtcac tgatcctgtc aagtttgatg atctggaaaa tgaggctgca 180
attatattgt gccagttgga gatgtatttt cccctgtcat tctttgacat catgattcac 240
ttgattgtgc atctggtcag agaaatcaaa tgttgtgcgc ctgtttatct acggaggatg 300
taccagttg agcgatacat gaagatctta aaagggtata cgaagaatct atatcatcca 360
gaagcatcta ttgttgagag ggacattgca gaataagcca ttgaattttg ttcagaatac 420
attg 424

<210> 9744

<211> 375

<212> DNA

<213> Glycine max

<400> 9744

aatctatagc aatgtgcttt tctcttatga atataccag caatagcaac aacctccatt 60
ctatccaata ggggattatg tatcatttca acaacatttg tagtgcaaac aaaaagaact 120
tgcaacgcat aactgcttaa gtaattatgg taaaaacaag cctactttgc ctacaggga 180
ttgaatgaaa gcaatacatt caagaactat ttgaccatcc taagaactac ctatcagcaa 240
taaacacaat taataaacca tgtacaaatg ctaactatat cacaatctca ctacaaaggc 300
tctagattat aaattaatac ctttgataga tcaatggtaa catcaagata gtggtcaaga 360
aaattagcat tctgc 375

<210> 9745

<211> 435

<212> DNA

<213> Glycine max

<400> 9745

tgcaagcttc tagcgtacc gctattggtg tctataaaat tcaaaaacaa atccctctta 60
ttactagcta ttttgaattc tttagtctct gaatgtacaa ctttcaaatt gttgctcggt 120

cccgatatttg ttttttgcaa aaaagaaaat taatctgaaa caattcacgc tgaatcgta 180
 tcgctattat tactcgaacc ataggggaata acagctcaac aagtaattta aaatgtaact 240
 tttaaattat gtgggatttt ttttaattaca attttacttc aatatctaata tttgttaact 300
 tacttaggtc gcttttttaa tataaatatg aatgtaaagg tgatctactg ataataataa 360
 gtacttgcta atcacaaatt atgataccta tcattctaca atttaactga attgtataaa 420
 tattaataaa tttat 435

<210> 9746
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9746

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 aatttctcgg gagctctggc tgttcaattt cgagcgtctc gatataattat gccctgaat 120
 cggactttcg tgtgacaagt tatgaccatt tgaattccac gagagcattc gctgttcaat 180
 ttcgagcatc tcgatataatt atgcgcctga atcggaacttc cgtgtgacaa gctatgacca 240
 tttgaatttc tcgagagctt ccggttttca attcagagca tctcgatacg tgatgcgcta 300
 gaatcggact tccttgtgaa aagctatgac cattggaatt tgtcgagagc tttcgatgtt 360
 caatttctac cgcttgata tattatgcac cttaatcgga catccgtgtg acagtcatga 420
 cca 423

<210> 9747
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9747

agcttgtaag tgtaatatgg gtcctatttc tcgattttta ttngcaagac acgggctccg 60
 aatgatttat attgtcgctt gattgcagct gcagatattt taccattttt tatatagaaa 120
 atattcaaca tacatttgtg aggaaaaaga tatgcactct actcacacca gaaaactaat 180
 cttactttta attttctaca gtatatatac taattaacat ttttaattta tgaatctcta 240

tatttacttt ctcttctatc gtactttaat cttatttctt tcttctatat ttctttccat 300
ctcattacat aatacatcta tcattatatt ttctattatt tccgacagag tcagatctta 360
tgttgtctgt cgatggctgg ttctattta c 391

<210> 9748
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9748

cttaagcacc gcggctgcag cttatgcagt caatttagat tcatctcgga gaggatcttt 60
tccaggcata nttgtgcaaa atctcttgaa ctaggaagat gttgtccatc atctttctgt 120
ttttaatgaa ggcagtttga gtttcccaa taatagtctc aagcactggg gctatgcggt 180
tggttagaat tttagacaca atcttgtata acaaattata gcaagatatg ggtctaaaat 240
ggttaacctg ggaggcctga tcatgcttag gaataagcac aataatagca tggttgattt 300
gctttaaaaa ttttccagtt gtaaagaatt cattaaccgc cgcaaagata tcatcaccaa 360
tgatatt 367

<210> 9749
<211> 390
<212> DNA
<213> Glycine max

<400> 9749

ttcacttga tgtccgattc aggcgcata tataatctata cgctcgaaat tgaacaacgg 60
aagctctcga gaaattgaaa tggtcataac ttttcaactca gatgtccgat tcaggcgcata 120
catatatcga gacgctcgaa attgaacaat ggaagctccc aagaaattca aatggtcata 180
agttatcaca cgaagggtgcg ttttaggagc atcacatctc gagacgctcg atattgaaca 240
acggaagctc tcgagaaatt gaaatgggtca taacctttca ctcgatgtc tgattcaggc 300
gcatcatata tcgagacggt caagattgaa caacggaagc tctcgagaaa tagaaatggt 360
cataacttat cactcaaagc tctgattcac 390

<210> 9750
<211> 338

<212> DNA
<213> Glycine max

<400> 9750

agcttccagt tctcaatttc gagcgttttt atatattatg cgccttaatc ggacctcctt 60
gtgataattt atgaccattt gaatttctcg agagctccca ttgttcaatt tcgagcgtct 120
cgatatatga tgcgcctgaa tcggacctcc gtgtgataat ttatgaccat ttgtatttct 180
cgagagattt cgttgtttta tttcgagcgt ctccatatat aatgtgcttg aataggacct 240
tcgtgtgaaa agttataact atttgaattt ctcgagatct tccctgggta aatttccggc 300
gttttcatat gtgatgtgct tgaatcggac tctctgtg 338

<210> 9751
<211> 389
<212> DNA
<213> Glycine max

<400> 9751

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ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggaaaa agtatggcaa 120
gctgggggca agtaaat tttcccatca gaccttggat gcaactatga tcgtatcccc 180
atatcagcta gattttgacg ggtattcaag ccatacctcg tcttgccatg aatgttaagg 240
agcatcccaa tcacactgtc acaaacattt ttctccaaat gcataacatc aatacaatgt 300
ctaacgtcta gatcagacca gtacggaaga taaaagaaaa tggacctctt cttccatatg 360
caactcttac ttttatacct tttttgggt 389

<210> 9752
<211> 418
<212> DNA
<213> Glycine max

<400> 9752

agcttgggct aagcaagttt gcccgctaag cccaaggcac ttgtgatttt ttgtatgtct 60
tgccatgcac taagcgtgcc ctgtcacgtt aagcgcaatt tactctttgt ttctatagtt 120
gttgggaattg ggcttagcga gccttctcgc taaaccattt gatgcaatcc taccocgcaa 180
gggcattgga tagaagactc caagtagatt gggccagaga tccaagggaa ggccctaggg 240

ttctcatgag ccttagggta gattttaagc ccatgggcta agtatgagcc cacttatctt 300
 tgtaaatatt agaatagggtt tttccttcgt ttgggcctta tattttggcc attctagtag 360
 tatagggttt tagccttgta tttcggagca ttttgagtag tctttgtagt aaggactt 418

<210> 9753
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9753

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 taaaaagtta ttgttgtttg aatntgttca gagcttcaac attcaatttc gagcttttcg 120
 atatattacg ggacacaatc agacatccga gtaaaaagtt attctcgttt gaatttgctc 180
 agggcttcgg taatccattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcggt tgaatttgct cagagcttct acattcacat tcgagctttt 300
 cgatatatta cggactcaat cagaca 326

<210> 9754
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9754

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 gggcctatgc aagttgaaag ccttgaggga aagaggtatg cctatgttgt tgtggatgat 120
 ttctccagat ttacctgggt aaactttatc agagagaaat cagaaacctt tgaagtattc 180
 aaagagttga gtctaagact tcaaagagag aaagactgtg tcatcaagag aatcaggagt 240
 gaccatggca gagaatttga aaacagcagg ttcactgaat tctgcacatc tgaaggcatc 300
 actcatgagt tctctgcagc cattacacca caacagaatg ggatagttga gaggaaaaac 360
 aggaccttgc aagaggctgc tcgggtcatg cttcatg 397

<210> 9755
 <211> 381

<212> DNA
<213> Glycine max

<400> 9755

gcttcaacat tcaagtttga gcgtctcgat atatgtcgag actttatcag acatccgagt 60
aaaaagttat tttcgtttta attggctcag aggttcaaca ttcaatttcg agcgtctcgc 120
tatattacgg gactcaatct aacatccgag taaaaagtta ttgtcgtttg aattggctca 180
gggcttcaac attcaatttt gagcgtctcg atatatgacg agactcaatc agacatccgc 240
gtaaaaagtt attgtcgttt gaattgtctc agagggttaa cattcaattt cgagcgtctc 300
gatatgttac gggactcaat cagacatccg agtaaaaagc tattgtcgtt tgaattggct 360
cagagattca acattcaatt t 381

<210> 9756

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9756

agcttctcga tatattatgt ggctgattcg gacttccggt agattattta tgaccatttg 60
aatttctcgg gagctntggg tgttcaattc cgagcgtctc gatatattat gccctgaat 120
cggactttcg tgtgacaagt gatgaccatt tgaatttcac gagagcattc gttgttcaat 180
tccgagcatc tcgatatatt atgcgcctga atcggacttc cgtgtgacaa gttatgacca 240
ttcgaatttc tccagagett ccggctttaa at 272

<210> 9757

<211> 412

<212> DNA

<213> Glycine max

<400> 9757

actaagcttc caaagaaagt ggcaaaagaa tattcaaaat aattttcttt cataccatag 60
ataaatagta ataaataaaa gaagtttaag ggaagagaga aatgcaaact tgatttatac 120
tggttcggcc acttcccggt cctacgtaca gtccataaagc aaccacttg agattttcca 180
ctctcttgta aaatcctttt acaagttctg aacacacaag gacaatcctt cctttgtatg 240

cagaattcct ttacaacaag agaccatcgg actattaatc ccttttcaga agtgagaaga 300
agagaagaag aaatctctct tgaagagat agattgtaca atgaagatca atcacaattc 360
cttattgcat atgcaagtgt ttgaccaacg aatcttcaag aggataagac at 412

<210> 9758
<211> 385
<212> DNA
<213> Glycine max
<400> 9758

cttggagttt ccaagtgcc aattcgtcttc ttcttttgtc cagtcttctt ctggcttcaa 60
ttcattagtg ggctttccct ctgtgtccag catcttggga tgttcccagc ctttcatgac 120
aactttccag gttctgctat ccagtgattt gaggaaggcc accatccttg ctttccagta 180
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gttcatcaga atttatctcc ctagatctca ctcaagtatt tagagtgcc gctctgatac 300
caattgaaat tctgatacca atgccagatg tcgtacagga tgtcacgaca tcacgcttca 360
gaacatgcag attatatttg agtgt 385

<210> 9759
<211> 421
<212> DNA
<213> Glycine max
<400> 9759

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ttgttcaatt tcgatcctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120
tcatgatcat ttgaatttct cgagagtttc cgatgtttta tttcgagcgt atcgatatat 180
tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacgagagct 240
tccgttggtc aatttcgaat atcactgtat gtgatgcgcc taaatcggac attcgagtta 300
aatgttatga ccatttgaat ttctcaagag cttccgttgt tcaattctga gcgtctcgat 360
atgtgatttg cctgaatcgg acatccgtgt gaaaagttat gaccatttga atctctcaag 420
a 421

<210> 9760

<211> 375
 <212> DNA
 <213> Glycine max
 <400> 9760

tgttatggaa gtcaagagca tgaaagtgtt ccaattttat taactgggtca atacgttcta 60
 gagcaggttg atgacatcaa tacgatattt ggaaagaccc ataagaagga aaaaaagtaa 120
 aacttgcata ctgaagaaga ggtcgatatt gtttgatctt ccatattggc ccatctaga 180
 tgtcagacat tgtattgatg ttatgcatgt ggagaaaaat gtgtatgata gtgtcatcga 240
 catgtttctt aacattcaag gaaagacaaa ggatgatttg aataatcgtc aagatctaga 300
 tgagatgagt atatgagacc agttatgtac ttgggtctaata ggtgagaaaa tataacttggc 360
 tccaacttga cttac 375

<210> 9761
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9761

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 gggtttggca atcttagaga aatgttgtat gagctttcta tagaaaccag catgccccaa 120
 atgtttttac tcctttcatg tctcaaggtg gtgggagctt ttcaattact tctatcttgg 180
 cttgatatac ttcaatacca cttgctgaaa ttttatgctc gagcactata ctttcgggta 240
 cttgttagtg caatttttgc caattaagca caagggttctt ttcaattcat ctttctagga 300
 ctctntccaa gtttttgagg catgacatga acaatgatcc gattatagag aaataatcca 360
 taaatacctc tactcattnt tataccatgt tagaacagat gacattcata cat 413

<210> 9762
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 9762

tgaagggtgtg taacccccca tttttcacag taaaatattg gtaatgtgtc tactattatt 60
 gtgatcatct ctttctccgt cattggaggt gccacttgag ctgccagggtc tctccacctt 120

tgggcgtatt ctttgaaaga tttgtgcccc tttttgcaca tgttctatag ttgcattcta 180
 tccggagcca tatcagaatt gtattgatac tgcccaacga aggcaaccat taggtcttcc 240
 caagaatgga ctcggaagg ttccaagtta gtgtaccagg taacagctac cccagtaaga 300
 ctttcttgga agaaatgtat cagcagttcc tegtcttttg cgtatgcccc catcttccga 360
 caatacatct ttagatgggt cttgggg 387

<210> 9763
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9763

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 tggccaagct atgagacata ataccagtt ttttgtggaa tattttgcat tggatctttt 120
 aattaatagt gatggtaagt tgttgcagaa aacatcttgc tttcacttaa tttgcaatta 180
 attaacctaa tgaagtctta gccttcattg gtcttgatga gtaaatttcc catgtgcttc 240
 acatcacttg ttacaaatgt gttatctgtt tcaatggtaa tttctttatt aaacaagcat 300
 tcaatggtgg aaattttntc ttttgccttg gtgatgggaa agttaactaa tttctttcta 360
 tattggatat 370

<210> 9764
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9764

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 accagtagca aagattgttt tcaaaaagct ttcaactgaa tttacaacgt tccaattgat 120
 ttcaaaatgg tgtaattgat tacaatgatt tggtaatcga ttaccagtgt gtttaaacgt 180
 tgaaattcaa attcaaatgt gaagagtcac atcctttcac aaaaatgctt tgtgtaattg 240
 attacaatga tttggtaatc gattaccagt gataagtttt gaacaaaaat caaaagatgt 300
 aactcttcca atgggttttca agtttttcta aagggtataa ctcttcta at ggttttcttg 360

accagacatg aagagtttat aaaagtaaga ccttaacttg cattntacaa cac 413

<210> 9765
<211> 426
<212> DNA
<213> Glycine max

<400> 9765

agcttgtcca tccacgatgt ctccaatata aaggtctacc cctaaccatt tgctcacacg 60
aacatgaaat tggacatcac cataatcaaa tccatgtgtc ccacactcaa agataagctt 120
acaaaataat tataattaaa acaatttaag aaacatcaat taactatgac ataaactcta 180
tcattctttag atcatgggtat ttgaaagtaa ataaaaccaa taacatccag ctcacataag 240
ccaaacatct catattcaac tatcatgaaa caattcaaga atcaacatca tgcacatcaact 300
atcaagcatt atcaacatga gttcatcaat catcatcaac atgaacacca aacatcaaca 360
ccaacgacag actctactcc atggatattt acaccacatg aggaattaac caaagtacat 420
ccctta 426

<210> 9766
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9766

tttgaanaga cacatctctt caaaccattt tgattatgca cgaagggcct atatatatgt 60
gtgtctgaat tntaaaaaaaa agatattcca agagaacttc aatgccaaat tctctttcaa 120
aagaaactct tgggcaaaca cgtgcaaatc cattaagagt ttctccatgg acttaaattg 180
taatatcctt ctcttcaaga gagaattctt ctttctttct tctcattcaa agagattgat 240
taagggactg aggatctctt aagttgtaag gattactgaa cacaagggat gggttgcccc 300
tgtgtgggtc agactttgta aacggatttt taaaaagga gtggaaaatt tcaagtgggt 360
tacttgagta ctggacgc 378

<210> 9767
<211> 379
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9767

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tatctgttac aataagtatg tagtcaagaa acatcacttc aaccattaga cccattctag 120
tgaagacaat agttaagggt ctaaggggtg tagacatcat ggttgcatgg tgtatgtaaa 180
catctcactc atgtggatct tcaacacttg accaatgtta ggtggcattt taccacctgg 240
tatagtggct tctgttcgca atgttacagt gtgcattact tgcatactg ttagtgtgaa 300
cattccatga gttgtttctc cagacaacat tattccatca gaaccttctc gaacaacaat 360
tagtatatct gatacctct 379

<210> 9768

<211> 204

<212> DNA

<213> Glycine max

<400> 9768

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acaccttgaa ggtataacaa gatgattgaa gggtgaggaa gagaaaaaca tgaaatttag 120
tgcctttaa gagaactgaa tttttagtg taattttcaa atgatcgaag ctgaaaaaat 180
gcacactggt cacttccggc agtg 204

<210> 9769

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9769

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cttttggatga agatgtcggc gagttgaaga tgggaaggaa cgaattgagt aatgagcctt 120
ttggagagaa ctaactcgtg aacaaagtg tagtcaatat caacatgatt ggcacgcttg 180
tgagcaaccg gattctggga aagaaatgta gctcttttgt tatcacaag aagagtaggg 240
ggagcagagc aaacatgcag attgcgcagc aaatgagtga accacattag cttatctgct 300

gtatttgcca tagcccaata ttcagattca gagctggaac gagcaatagt aggctacttt 360
 ttagcactcc aggacacaag attaccttcc aagaatatcg agtagccata ggtggagtga 420
 cgcgtctcaa cacaatgagc ccattcgaca 450

<210> 9770
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 9770

ctgattgtag tggaatggag aaggaaaaag atgaatggag acaccacttc aagtagaaga 60
 tgagtctaga agaagcttac caccatagga agccatggat aagagcttga aggtagaaga 120
 agatgaatga agggagagga agagaaaaac atgaaattta gtgcctctaa agagatctga 180
 atttttagt ggtaattttc aatgaatcaa gttgaaaaaa tg 222

<210> 9771
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 9771

aaacattaaa tttcgagagt ctcgttatat tacggtattc aatcagacat ccgagtaaaa 60
 agttattgtc gtttgagtag gtcataggt tcaacattca atttctagcc tcacgatata 120
 ttaccggact gaatcggaca tccgagtaaa aagttattgt cgtttgaatt ggctcatagg 180
 ttcaacattc aatttcgagc ggctcgatat attacgggac tcagtcagac aaccgagtaa 240
 aaagttattg tcgtttgaat tggctcatag gttcaacatt caatttcgag ccgctcgata 300
 tattatggga ctcaatcaga catccgagta acaagttatt gtccgttgaa ttggctcata 360
 ggttcaacat ttcattgccg agcgt 385

<210> 9772
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9772

agctntaagc caattcatat gacaattact ctttattctg atgtcngann gagtcccgta 60

atataacgaa acgctcgaaa ttgaatgttt aacctatgag ccaattctaa cgataataac 120
 tttttactcg gatgtccgat tgagtctcgt aatatatcga cacgctcgaa attgaatggg 180
 gaagctctaa gcctattcaa acaacaataa cgttttactc ggatgtccga ttcaatgacg 240
 taatatatcg ggacgctcga aattgaatgt tgaacctgtg agccaattca aacgacaata 300
 actttttact cggatgtctg attgagtccc gcaatatatc gagacgctcg aatatgaatg 360
 gtgaacctct gagccattca aacgaccata acttttactc ggatgtcgat g 411

<210> 9773
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9773

agcttgtcaa ggggaacattt atgcattatt tcatagatga gagctttctt gcgtccttcc 60
 aaacagaatc aaagaagtat gacaacatta acatgagaag ttctactgat aactatttag 120
 aaaatatgtt ntctacatcg gttattttatg acttttcaaca tcggtttttc aaccgatgtt 180
 gaaagtaccg acgttgatag tattatcggt aacatcggtt tttgaanaac cgatgttaac 240
 gtaaaattac caacatcggt tatattaata ac 272

<210> 9774
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9774

cagcttcac gtatatgacc tacatgatca catgataact ttttaatttc ttacataag 60
 taaaggggca tcatttccaa tcatgatata ctacagaaat ggaattttta ccatcttctt 120
 gtaacctcca gatgcatgtt tcttcttcaa gacttcaata aagtccatag cataaaggta 180
 tggcatgttt ggcaccccta caaaatacaa atcaaatagg aatgactaa gttataatgt 240
 ctttatctaa tatgaacata gttctggatt gatcattttt acacccttag ataattttgt 300
 tttatacaac tatgttcaca tattaaacta tacctccatg aaccacagaa agaaaaaagt 360
 ctttaggatg ataattntta ttttttttac ttaaagtc 398

<210> 9775
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9775

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agcttcaaca tcagaccact tccagtgttc tggatttata ttcacatgga cttgatgggg 60
cctatgcaag ttgaaagcct tggaggaaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattta cctgngtcaa ctctatcaga gagaaatcag acacctttga agtattcaaa 180
gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240
catggcagag agtttgaaaa cagcaagttt actgaattct gcacatctga aggcatcact 300
catgagttct ctgcagccat tacaccacaa caaatggca tatgtgaaag gaaaaacagg 360
actttgcaag aagctgctan ggtcatgctt catgccaaag aacttccta taatctctgg 420
gctg 424
  
```

<210> 9776
 <211> 340
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 9776

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nttctttgtg gggtgatggg ttctgtcgcg cacaatgtca tgttcactgg ctgacatact 60
ctcaattagc tcagttgctt cttccggggt cttcagcttt atttttcccc ttgcataagc 120
atctatcagt tgcttggtt ggggtctcaa cccatatatg aacatattca attgaattgg 180
ctcaagaaac ccatgagtgt gagttcttct caataaacct ctgaacctct ccaatgcttc 240
actcagagat tcatcacgga attgatgaaa tgagaagata gcagctgttc ctctcaaagt 300
cttggactct gggaagtatt tctttagaaa ctttttaaca 340
  
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<210> 9777
 <211> 386
 <212> DNA
 <213> Glycine max

 <400> 9777

aatgttaacc cacaaaattc caactagaac aagaaacttc agttattacc tctatttggc 300
 caccgacatt aatcaggaga gcatcaggga ttattggaac tttaaaccac tgatcatctt 360
 tgaggacttg gaggccttct acttctttg 389

<210> 9780
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 9780

tataatatat cgatacgctc gaaattaatc atcggatact ctcataaagt gtaaattggc 60
 ataagttttc acccggatgt ccaattcggg cgcataatat gtcaagagtc tcgaaattga 120
 acaacggaag ctcttgagaa ataaaatggt gataactctt tacaccgatg ttcgatttat 180
 gcgaatcacg tatcgagacg ctcagaattg aacaacggaa gctcttgaga aaatcaaagt 240
 gtcataaaat ttcacaccga tgtccaaatt agggcgcata aatatagtgc gtcgaaaat 300
 gacaacggga gctttcgtca aattcaaagt gtcataattt ttcacactgg agtccgattc 360
 aggctataat atatcaa 377

<210> 9781
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 9781

agcttgaatc ggacattcgt gagaattggt atgactattt gaatttctca agatcttccg 60
 ttgttcaatt tcgaccttct cgacatatta tgcgcccga tccgacatcc gtgtgaaaag 120
 ttatgactat ttgaatttcc tgagagtctt cgatgtttta ttcgaacgt atcgatatat 180
 tataagcttg aatcggacat ccgcgtgaaa agttataacc atttgaattt ctcaagagct 240
 tccgttggtc aatatcgaac ttctcgatat gtgatttgcc tgaatcggac atccgtgtga 300
 aaagttatac cacgtgaatt tttcaagagc ttccggtggt caattttgag cg 352

<210> 9782
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 9782

gcttgaccaa cggaatgcaa atgatttact cagttctatt aggcaacact cttcagcttt 60
tggggatgga ctccagcggt tggctcatta ctttgccaat ggccttgaga caagggtggc 120
tgctgggacc ccatcataca tgcccctaga aggaacaact tccgctgata tgttgaaagc 180
ttacaaacta tatgttacat cctctccttt gcagagggtg acaaattatt tggcaacca 240
tacaattgtt agtcttgtgg aaaatgaggg cagtgttcat attattgatt ttggcatttg 300
ctatggtttt cagtggccat gccttatcaa gaagctctca gaaaggcatg gtggtcctcc 360
gaggcttcgt ataacaggaa ttgaacttcc tcagccggga tttcggcctg cag 413

<210> 9783

<211> 438

<212> DNA

<213> Glycine max

<400> 9783

agcttataat atatcgaggc gctcgatttt gaacatcgga agctcttgag aaattcaa 60
ggtcataact ttttaactcg agttcaattc atgcgcatca catatagaga cgctaaaaaa 120
tgaacaacgg aagctctcca gaagttaaaa tggtcataag ttttcacact gatgtccgat 180
tcaggcttat attatatcga gacgctcaaa attgaacaac gaaagctctt gagaaattca 240
aatggtcata actttttaca ctgagggtccg attcaggctt ataatatatc aagtcgctcg 300
aaattaaaca tcggaagctc tcgagaaatt caaatggtca taacttttca cacggatgtc 360
cgattcgggc gcatattatg tcgagaggct cgaaactcaa caacggaagc tatcgagaaa 420
ttcaaattggt cataactt 438

<210> 9784

<211> 401

<212> DNA

<213> Glycine max

<400> 9784

agctctgata acattcatat gacaattact tattactcgg atgtctgatt cagtcccgta 60
atatatcgag acgctcgaaa tgggaattttg aagctctgag caaattcaaa cgacaatcac 120
tttttactca gatgtctgat tgagtaccgc aatatgtcga gacgctcaat attgaatact 180

gaagctctga gcaaattcaa acgacaataa cttgtcactt agatgtctga ttgagtcccg 240
 taatatatcg agttgctcga aattgaagac cgaagctctg agcaaattca aacaacaata 300
 acgttttact cggatgtctg attgagtctt gtaatatata gagacgctca atatggaata 360
 ccgaagctct gagcaaattc aaacgacaat aacttcttta c 401

<210> 9785
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 9785

tgaaggaaaa ctggatgcat tggttaactt ggtaatttaa ctggccttga atcagaaatc 60
 tatacctggt gcaagggttg tggtttgtgc tctctgctg accaccatac agacctttgc 120
 ccttccatgc agcaacctgg agcgattgag cagcctgaag cttatgctgc aaatatttac 180
 aatagacctc ctcaacctca gcagcaaaat caaccacagc agaaaaatta tgacctctcc 240
 agcaacagat acaacctggt atggaggaat caccctaacc tcagatggtc cagccctcag 300
 caacaacaac agcagcctgc ttcttccttc caaatgctg ctggcccaag cagaccatac 360
 attcctccac caatccaaca acagcaacaa cc 392

<210> 9786
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9786

ntattcccca tttaatgtca ttttataatt aagcatttta caatttgaat tatcttaatg 60
 ttctaaccgt gcttattatt tacaaatatt atcctcagat atttacta ttgaattcca 120
 aaaaaagagg ttacctcat gctcacattc ttttgttctt acatccttcc aacaagtatc 180
 caactcctaa agatacagat aaaattgtct caactaagct accagatcaa aatagagatc 240
 caattttaca tgagtgcac aagagtcata tgatacacgg tccatgtaga ccagctaata 300
 gacattcacc atgcaagaaa gatggtaaatt gttctaaatt tttccataaa aggttccaat 360
 aaaaaaacat ttgttgacca ggacaattac cctat 395

<210> 9787
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 9787

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agcttgtctt catggggaat agagtgtaaa ctccagtgga agcagtcaag acttatcggt 60
taaaacttga cattagacat catttagatt tactgggaac tttttatggt cctagtttat 120
ctaggaatth agtttcatta tctaaacttg atgttactag atactctttt aattttggta 180
atggatgttt ctgtttatth aagcataatc atctcattgg tactgggtgtt ctttgtgatg 240
gcttatataa attgaaatca gatgggtttgt atgctgaaac ctctttaact ctgcatcata 300
atcttggcac taaatgtagt ttagtgaatg aacgatctac tttcttggg cataaacgtt 360
taggtcacat ttcaagagaa aggatggaaa gattaataaa gaatgaaatt ctactgatc 420
t 421
```

<210> 9788
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9788

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agctntgttc caaacacttc tttggttctg tttcttcctc gttttttatc acaagattgc 60
cactgtccaa aagcactact acaggattct gtgcttgtht gtgagagttg ttggtgtacc 120
agacaagata cgcatttttg gtgagaacaa gattgcctgt gttgttgagt gttatgatac 180
ccgaggaatc attgatgggg ttggccttat tagcaacca aacaactgtc tggattggga 240
tgthcttgta ccaaataccc acataacgtt tatgggaata acctggtgat gtgccatcat 300
tttcttttat tttctaaacc ctttttgcac cattttaatt attgattgat ctttaattgtc 360
aattaattag gcagttntat tatthgggcc cattaagcta atttgatgtt nttaatct 418
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<210> 9789
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 9789

gacaacaggg agtgaagatt gctgaaaacc ctagccttgc aacatgtcct atggaagtag 60
acacggagat ggacaagaaa atccgcagta tggtagtag cattttgaaa gaagcctctg 120
tgcctgaagc tgatgaagat gttccaacat cttccacccc gaatgtttct atgcctgatg 180
ttgagaaaga tgttccaaca tcttcggcc catatgatga agtactgtct tccccagca 240
aagagagatc aacagaggaa gatgatcaag ccgcagagga gaccctgca ccaagggcac 300
cagaacctgc tccaggtgat ctcatgact tagaagaagt cgaatctgat gaagaacca 360
ttgccaacag gttggcacct ggcattgcgg aaagacttca aaacagaaa 409

<210> 9790

<211> 313

<212> DNA

<213> Glycine max

<400> 9790

tcacggtaaa tatagacatc ccattcctag gctagacgat atgttggatg aattgcatgg 60
agcctgtgtt ttctctaaaa ttgatttgaa aggtgggtac catcaaatta ggattagaga 120
gggggatgaa tgaaaaacaa ctttcaaac taagtatggg ctgtatgaat cgcttggtat 180
gccctttgtg ctaaccaatg ctctaacac tttcataaga ttaatgaacc atgtgttaag 240
ggaatttcta ggaaaatttg ttgtgggtat tttgatgata tcttgattta cagcaaattc 300
catgatgaac atc 313

<210> 9791

<211> 407

<212> DNA

<213> Glycine max

<400> 9791

gtgtcttatg aatccccctg tgcttatgcc accagtacct ggaaggcctc tcatcttata 60
catgacaatc ttagatgagt caatggggtg tatgctgggg caacatgacg aatctggaaa 120
gaaagagcgc gctgtttact acctgagtaa gaagttcacg aactgtgaaa tgaattactc 180
attgctcgaa agaacgtgtt gtgctttagt atgggcatcc catgcctaa ggcagtacat 240
gctgagccat actacctggt tgatatccaa gatggaccg gttaagtaca tctttgaaaa 300
gccagctctc acgggacgaa tcgcccgtg gcaagtcctg ctatccaagt ttgatatagt 360

ttacgtcacc caaaaggcga taaaaggaag cgccttagca gattatt 407

<210> 9792
<211> 352
<212> DNA
<213> Glycine max

<400> 9792

tttccctcct tcaaggaatc ttcttgaagc cctctcacat acgccacacc atacttggca 60
ttcatcagag ggtcttcccc tgcagtctct tgccctctcc cccaccgtgg atccctgaaa 120
acgtttatgt tcggagccca gaacgtcatc cccgtcgctt gccccgcatt gtacaccgcc 180
ctcgcttcct tcccaatagt cttcagcaac aatgcagtaa cataacacca acatgtcaat 240
aatgtaattc gataaagtcc cacacccgag taataaagag aagatgaagt gtatataaag 300
ctttgaggtg ttggatgtta gtgattatgc aactgacctt gctgatttgg ta 352

<210> 9793
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9793

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atccatcact tctctgcata tatatttagt attaagatgt gtaccaacaa tcctaaaatg 120
ttctgtgcag atattttcca ttgaaagaca ctacacaaga ttagagactc cgaaattaat 180
tttgttttat gccaatgct attatgcttt gttgtgtctt gctaaatgca tatttaattt 240
gaagcaactt cattatTTTT gtgttatctg ttaatggttt aattggataa tagtttacia 300
gccaggtaat atataattta gatatatgtg cagagatgta atattgtcat gtaaatttta 360
atatttaatt attgttatgt tagagtatgt gcatgcaatt gttttagaga gggctgggtga 420
taagtgaagc tagctcacia acaattcaag atgcagttag ctttataagc taggctcatg 480
agtcatgatt ngagtctgat ttgaattttt accctgttta gtaaattgagc tgagcttcag 540
cttttaat 548

<210> 9794

<211> 350
 <212> DNA
 <213> Glycine max

<400> 9794

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agcttaatct catagaaggg aagcgtttgt tcaccatgag tcatgggctt ttatatcaga 60
aaagagtgaa gaacgctttt gacaagaagg tacatatgag cgggttttagc aaaggggact 120
tggtgttgaa gaaggtctcc caagctctga aagacaacag aggggaagtgg gacccgaact 180
acgaagggcc tttcgctgta aaagggcttt ctccggaggg gctctggtgc tcaccaacat 240
ggatggcgag gagctacctt caccgctgaa ctccgatggt ttcaagcgat actacgctta 300
ggatctgggg caattgagga agtcgctgca tgttctttta tttttgggtg 350
```

<210> 9795
 <211> 650
 <212> DNA
 <213> Glycine max

<400> 9795

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agcttatata tttatttatc tctatttatt aataaactaa aatagtaatt acattgtatt 60
tttagttttt actatttttt aatacaagta acaaaatatt ctacaaatta agagaaaact 120
attaaaaaaa ttagctaaat ttattaaagt aaaaaggaaa atatacatat aatgcaattt 180
ctattattta taaatagata taaatagttt ttgttatctt ttattgttta atttctacgt 240
ttgaaagtaa aagcattaag ttactgttta tttagttgat tttttaattc ttaactaata 300
atatatttaa ctaattagac attgtacaaa aaaattgtgt tcaaaataaa aattattttt 360
cataattaat ttttaagaaa atggtaaatt ttatatcaat aaaatggaga ataattatga 420
acaagtcacg gatctattta tagcacatat attgataata taaataatga aaaataaaca 480
aacattataa aatattcatt atgattttta cataatccat tttggtatta tcctaattgg 540
aaattggtga attttttaag gataatataa tattttttta atattttttt aatcaattat 600
ggataatttt taaatattca aaaataattg ggattcaatt aataaaaaaa 650
```

<210> 9796
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9796

gacttgatgg ggcctatgca caatgcaaag ccttgtagga aagaggatg cctatgttga 60
tgtggatgat ttctccagat ttacctgggt caactttatc agagagaaat cagacaccta 120
tgaagtattc acagagttga gtctaagact tcaaagagaa aaagactgtg tcatcatgag 180
aattangagt gaccatggca cggagtttga aaacagcaag tttactgaat tctgcacatc 240
tgaaggcatc actcatgagt tctctgcagc cattacacca caacaaaatg gcatagttga 300
aaggaaaaac aggactntgc aagaagctgc tanggtcatg cttcatgcca aagaacttcc 360
ctataatctc tgggctgaag ccatg 385

<210> 9797
<211> 310
<212> DNA
<213> Glycine max

<400> 9797
cgcccttgac attaatgggt tgaggaagta tctcaatcac atcgatcttt gccttgccca 60
cctctattcc ccttactgag atgttatgcc ccaacattat tccttcttga accataaaat 120
ggcattttct ccaattgaga actatattgg actcttcata tctctgtaat actctttcaa 180
gattggataa gcacccttca aaagatggca cacaacaga gaaatcttcc atgaaaactt 240
caatgcattt ttcccccata ttagaaaaaa taaccatcgt acacctctaa aatgatgtcg 300
gggcgttgca 310

<210> 9798
<211> 384
<212> DNA
<213> Glycine max

<400> 9798
acttcattac tgttattcag tattacaaat gagcttggtg caattcttct agacttagag 60
tgataacatg taatcctctt gaacccttac ctccactct ctcacatgc cgagactccg 120
gaaccctaac aggttttgcc tttccatgt acttgaaaca aaactcaata gtttctttct 180
caatgtacct ttcaacaata gatgctttag gacggtgtag attatttgta taccatttta 240
agatcttcat gcactactca accgggtaca tccaccgcaa ataaacggga ccgcaacatt 300

taatttccct caccatatga acaatttatt gaaccatgat gtcaaaaatg aaagaggaaa 360
 atatattctt cactgacata tgat 384

<210> 9799
 <211> 503
 <212> DNA
 <213> Glycine max
 <400> 9799

agcttgttgt tcctggatgc atctggtatt ggactcaaca attgctaaga gaattgtctc 60
 aactttgtca aatggaggga gaactatttt gatgaccata cctcaacctt caagtaggat 120
 gtattgcatg tttcaaaagg tgtttatgct ttcagaaggg aaccttgtgt attttggaaa 180
 aggatctgaa gctatggaat atttttctag atttggatat gcccacaacca cggatcatgaa 240
 ccctcagat ttccttttga atcttgcaaa tggatgttg tttgctcttt attattttaa 300
 aaagtgtgag gtttcctttg ttatttatga aactttgtgg acagaagttc aaaatctcat 360
 ttatctatta gtacctacat atatttggat aaattcactt attctatttt tcatgattga 420
 ttaaacttat aaattagatt ataagaatta ctagctttgt gacaagtcac tcatthaagt 480
 tcttttcacg tcaatttttc atg 503

<210> 9800
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 9800

agctttgtat ggtagaaggg gtatgttctc cctatgttgg ttagagcccg gagaaggcct 60
 caccttagga ccagaagtgg tacagcaaac cactgagaaa gttaagttaa ttcaggagag 120
 gatgagagct gttcagagta gccagaaaag ttatcatgat aagaggagga aagatctgga 180
 attcaagggt ggtgatcatg tattcttgag agtcaactcc tggactgggg ttggtcgagc 240
 attgaaatct cgaaaactca cacctcgctt aattggctct tccaaattc ttaagagagt 300
 tggcctgtg gcataccaaa ttgcattacc cctgtctctt tctaattctt acaatgtctt 360
 tcatatgtct caactccata agtatatctg ggatccatcc catgtgattt gattggatga 420
 tggatcaaatg 430

<210> 9801
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 9801

tatgacgatt cgaattttctc tatagcttcc gttgatcaat ttcgagcttc tcgatatgtg 60
 attagcctga atcggacatc cgtgtgaaaa gttataaccag ttgaatttct caagagcttc 120
 cggttggtcag ttttgagcgt ctcatatgt gatttgctg aatctgacat ccgtgtgaaa 180
 agttatgacc atttgaattt ctcaagacct tacgttggtc aatttcgagc ctctcgacat 240
 attatgagac cgaatcggac atccgtgtga taagtattgg ccatttgaat ttctcgagag 300
 tttccgatgt ttaatttcga gcgtatcgat atattataag catgaatcgg acatacgtgt 360
 gaaaagctat gaccat 376

<210> 9802
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9802

agcttgtaga attcacccca attccaattg catatgttga ctactcccc tatctgctcg 60
 ataatgcaat ggaagttata agcccaacaa agatttctca accttctttt cctagaggat 120
 acaaccccaa cgtgacatgt gcttatcatg ggggagttcc ggggcattcc attgagcatt 180
 gtatgaccct gaaacataag gtgcaaagtc tgattgatgc aggctggttg agattcgagg 240
 aggaaaatca ctctggagtt ttgatgtcgt tgtgatgcaa tcctaccccc caagggcatt 300
 ggataaaaga ctccaagaag attgggccaag agatgcaaga gaaggcccta gggttctcat 360
 gagecttang gtagatttcg ggcccatggg ctaagtatga gcccaattat ctttgtacat 420
 attagattaa gatttcatta aattgggcc 449

<210> 9803
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9803

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ttgagggcat gtgtcttaga acaaaaagga agttgggaga gttttctgcc attgatagag 120
tttagctata acaatagttt tcattctacc attggaatgg ctccctatta agccctgtat 180
gatagaagat gtangacact cctgtgttgg ctagaacctg gagacaacct caccttagga 240
cctaaagtgg tacaacaaac cactaagaag gtcaagttaa tccaagagag gataaggact 300
actcagagta ggcagaagag ttatcatgac aagaggagga aagacctgaa attcgagggt 360
ggtgatcatg tattcttggg agtcacttcg tggactgggg tt 402

<210> 9804
<211> 487
<212> DNA
<213> Glycine max

<400> 9804
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aaataaatgt gtaatcgatt accaaaaatc tgtaattgat taccaatgag gaaatttcaa 180
cgataactct gaaaagtcac atttcttcat gagttttttg aaaagccacc aaaggcctat 240
aaatatgtga cttggcttta aaaaatcttc agagtttttc ggaacctcat tgtcttattc 300
tctcaaaaac aaaaatttgg ccaaacactt gcgaatcaat taagggattc ttattagttc 360
ttcaaattgg attattcttc tctaaaaaga gagaaaaaat tgtgtacatt aaaaagtaaa 420
actgttggtg agatgaagaa gctgtgaaat ctcttgattt gggagttttt ttgaacacaa 480
aggaaag 487

<210> 9805
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9805

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 gtaggtagtt aggtagttag ttagttattt actaacactc tatatattag tgtagttag 180
 ttagtgactt cacttgaact tcattttgta caaaagtact tgtgtaagct gatgcaatcc 240
 tccctaaagg gaccagtcac taagtgaata tttgatgtgt gtgttgagaa ataaatttaa 300
 ttgaattggt agaagccgta tccaattaaa ttttagaggg ggaggtgagc atttacttgc 360
 tacaccccat tgccacatca tatagtcaca ctntgtgcat gtccttcacg ctttacatgc 420
 ctcatgacac ct 432

<210> 9806
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 9806
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 taattccgat atggctcccg atcgactca gctacaaaat atgttcaaga aggaagatga 120
 gacctttaa gaatacgcg agcgatggag agacctggca gcacaagtgg cacctcccat 180
 ggtcgaaagg gagatgatca ccatgatggt agacaccttg ccagtatttg atgcaatcct 240
 accccgtaag ggcattggat agaaaactcc aagtagattg ggccaaagat gcaagagaag 300
 gccctagggg tcttatgagc cttagggtag atttogggcc catgggctaa gtacgagccc 360
 acttatcttt gtaaataatta aattaaggtt tcattatttt tg 402

<210> 9807
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 9807
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 gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca acatccgttg 240
 aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtgggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360
 atattgatat tattcgaaca tctaccgcaa agaagtctcg gaaaagacac ttgcctcgta 420
 attttatttta accccctatt ggaaggataa tgттаатст 459

<210> 9808
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 9808

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 ttcgaacccg gagattgggt ttgggtgcac atgagaaaag aaagggttcc ggaacaaag 120
 aaatcaaagc ttcaaccaag gggagatgga ccatttcaag tgcttgaaag aatcaatgac 180
 aatgcttaca aagttgagct gcccggtgag tataatgtta gttccacctt caatgtctct 240
 gatttatctc tttttgatgc agatggagaa tccgatttga ggacaaatcc ttctcaagag 300
 ggagagaatg atgaggacat g 321

<210> 9809
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 9809

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 ctttgtgtaa ttgattacaa ggttatggaa atcgattacc agtgacaagt tctgaataaa 180
 aagtcaagag atgtaactct tccaatgggt ttctcaagat tttctcaagg ttataactct 240
 tctaattgggt ttcttgacca gacatgaaga gtctataaaa gcaagacctt gacttgcat 300
 tcaataatctt ttacaacttt tgaacttctt tgaacaactt ttgagatctc ttgaaacctt 360
 cgcttctaат ctttcttctt cttcctttgc caaaaagctt tctaagtttt t 411

<210> 9810
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9810

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aacttcagca ggagtcatgt ctccaagggc ttcaccactg gcagcatcta tcatacttat 180
ctccatatta ctgagtcctt tataaaaaata ttggagaaga agctgctctg aaatctgatg 240
gtgagggcaa ctggcacata attttttaaa tcgctcccag tactcataca ggctctctcc 300
actgagttgt ctaatacctg agatatcttt cctgatggct gtggtcctgg aagcagggaa 360
aattttttct aagaatactc tcttaaggcc atcccagctc gtgatggacc ttggagcaag 420
gtaatac 427

<210> 9811
<211> 420
<212> DNA
<213> Glycine max

<400> 9811
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tgagaaaaca cttttttgca aaaactatga atctcagttt ttatcagtgc aagtatatat 120
ggacgacatt atatttgggtg ctattaataa aatgctttgt gaagattttt ctaagctaata 180
gcaaacagag tttgaaatga gtatgatggg agaattgaaa ttctttcttg gactacaaat 240
aaagcaaaca cccaaaggta tctatattca ccaaaccaag tatgtgaaat aattgttgaa 300
aaaagtcaac atgaacaatg caaaagaaac gaagactcca atgcataccta caacatacct 360
aggtggttga aagcccacat gcaagatttg gattggctcc caagtttgag aactactaaa 420

<210> 9812
<211> 377
<212> DNA
<213> Glycine max

<400> 9812
aacattccaa ttgatttcaa aatgtgtgta tcgattacaa gatattggta atcgattacc 60
agtgtatctg aatgttgaaa ttcaaatca attgtgaata gtcataatct ttcataaaaa 120
gctttgtgta atcgattaca tggttttgggt aatcgattac cagtgacaag ttttgaataa 180

aaatcaaaaag atgtaactct tccaatgggt ttcagggttt ctcgaggtca taactcttcc 240
 aatgggttttc ttgaccagac atgaaaggtc tataaaagca agatcttgac ttgcatttaa 300
 cagaacaatt acttacaact tttttatata ctcttttaca acctttgaat ctctttgaac 360
 atcttcttga acttctt 377

<210> 9813
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 9813

ataaggcatg cgaagtgggt ggaattccta gagtctttcc cttatgttat caaacataaa 60
 acgggaaaag gaaatattgt agccgatgct ctttctcggc gtcatgcatt actttctatg 120
 cttgaaacaa aattgattgg tcttgaatgt ttgaaaagca tgtatgaaaa tgatgaaact 180
 tttggagaaa ttttaaaaat gtgaaaaatt tcagaaatgg ttctttgaca tgaagctttc 240
 tttcaaagaa acaaattgggt gtcctaattg 269

<210> 9814
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 9814

cagcatgcaa gctccacact ggagaatgga gaacatatta ttagcgctag gcaaaaacac 60
 tcaggggggt ccgaacaaaa gtagaggatg gacgaatgcc aagaaggacc gcacttaggc 120
 aaacatgaaa ctcagctcca aactcgaaag tggaggacac aagaatgaca acgcggcacc 180
 cgaaaaggat gagaaaggag gattgccgtg agggacctca cttaggcaat catggaacac 240
 agatccaaac tcgaaagtgg aggacacacg aatgacaacg caaaggatcc acggggcccc 300
 agaaaaggaa gataatggag 320

<210> 9815
 <211> 614
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 9815

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tcattgtcat cgtTTTTTcg tcattgaggt gccacttgag ctgccagggt ctccaccttt 120
gggcgtattc ttagaaagat ccgtgcccct ttttctTTTT tttttttcac atgttttgta 180
gttgcatcct atccgaagac attatactga cactgcctaa cgaaggcaac cactagggtcc 240
ttccaagaat ggactcggga aggttccaag ttagtgtatc aggtaacagc taccacagta 300
agactttctt ggaaggaatg tatcagcaat tcctcatctt ttgcgtatgc ccccatcttc 360
cgacaataca tcttttagatg gttcttgttg caagtattcc ccttgtactt gtcaaagtcc 420
gacaccttga acttgggagg ggtgatgata ttgggttcta agaacaactc tnttaagtta 480
gcaaaggcat aatcttcacc tccttcaatg gccctgagtc tttcctctat atgatccaac 540
tcttccattt ctgccatagc acaaggTTTT ttactttgtg tggaatgcaa gaggtgtaac 600
ttggggtgat actg 614

<210> 9816

<211> 631

<212> DNA

<213> Glycine max

<400> 9816

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atttctgagc aacttcttct tcaatacttc tatgagggac ttaccaacat ggagaggagt 120
atgattgatg ctgccaacaa ttcaattcaa gaaatgatgt tattgttctt agaggagtcc 180
atgagggtggc cacagattca tcttcatcta ctgaaaataa aaagcttgaa ggaaaacttg 240
atgccttggc caaactagta actcagcttg ccatgaatca gaaatctaca cctgttgcaa 300
gagcctgtgg tctatgttct tctgtagatc accattcaga tctttgtcct tctttgcagc 360
aatctggagt caatgagcaa cctaaagctt atgctgcaaa catttataat agacctccac 420
agcagcaaaa ccaacaacag caaaataatt atgacctttc aagcaacaga tacaatccag 480
gttggaggaa tcatccaaat ttgagatgga caagcccttc actacaacaa tagtctatcc 540
cttcttttca gaataccgct agtccaagca tgccttatgt tcctcctcca atgcggcaac 600
aacaacggca gctacaacaa atacaacaag c 631

<210> 9817
 <211> 499
 <212> DNA
 <213> Glycine max

<400> 9817

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agcttgccctg gttttatttt gtgataatta tgaagaatga ttttatttat ttttatttta 60
aaacttagta cactacttat aagttataat catacactaa aaaattacta tcaagcttgg 120
cattattttc aagaacttta ttgtttcttt gggttgcacat tttccattta ccattgtctg 180
ttttcaataa gtaggcacgt tattgaattg aattgaattc ttaagaatct aggcatgtga 240
atcgattacc agagacagaa tacttagagg tttttcaaaa agaagtttga aatttgaatt 300
ttaaatactg taatcgatta ccatttaact gtaatcgatt cccagtaacg aaaatttttag 360
aaatttgaaa tgaaaagtca tgaccctcà atgtataact gtgtaatcga ttaccagtga 420
gggaattcta aaattgttct gaaaagtcac atctcttcaa aagttttgaa aaaccacaaa 480
gggcctatat atatgtgag 499
  
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<210> 9818
 <211> 565
 <212> DNA
 <213> Glycine max

<400> 9818

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attaaagaca tgttaattta attgaataat aaatgcgagt ctttattagg aggtgtgatt 120
aattcattta atataataaa tgggcagatt attcaaggag tagttgaaga tttgatttat 180
tctagactat tactttttgt tggacaagtg acctcaataa cttagagggg ggtgaattaa 240
ttaagtttta aaatttcccc gctaacaaat tttaaccctt ttttaaataa tacatgataa 300
actcaaaatg cagaagaaga agaagaaaca atcaatttaa taattttctt ttaaatgcac 360
aagacaaagt aaactgcaat aaaataactg agataaggga agagagaatt gcaaactcga 420
tttatectgg tttggccact ccccgctcct atgtccagtc cttagcaac ccacttgaga 480
ttttccacta tctttgtaaa ctctttacaa cttctgaaca catcttgga ttcttctctc 540
ttgtgttcag gattctcata agtca 565
  
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<210> 9819
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 9819

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cacataagta agcacttagc atgacatatg gtctattttt agttaagtag aggagtgatc 120
caatcatacc tctatatctt aactcatcca ctgatttacc tttctcatct aagtcaaggt 180
aggttaaagt tgccattgga gtagatgctt ctttgcatth ttccatgcca aatttcttaa 240
ttagttttgt acaatatttc gtttgattta ggaagggtcc atgtttcatt tgcttgactt 300
ggagtccaag aaagaagttc aactctcccg tcatagacat ctcaaattcc ttttgcatat 360
aactagaaat ttccttacac aaaatttcat ttgtagcacc aaatataata tcattaacat 420
atattttaac aattagcaac tcaactgtta cttttcttaa taaacaatgt ttt 473
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<210> 9820
 <211> 254
 <212> DNA
 <213> Glycine max

<400> 9820

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gcgtctcaat agattacggg actcattcag acatccgagc aaaacgttat tgctgtttgg 60
attagttcag agcttcagaa ttcaatttcg atcgtctcga tatattacgg gactcaatca 120
gacatctgag gaaaaaagtt attgtcgttt gaatttgctg agagctcaac attcaatttt 180
gagcggctcg atgtattacc ggacctaatc aaacctocca ggtaaaaagt attggtgggt 240
ggatttgctg agaa 254
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<210> 9821
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 9821

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aataaccaaa tgcacatttg gccaacctc aggcaagtac ctgggacatg tgggttcttc 60
tcgcgggggc gaaacagtgc taaccaaggt tcacgctatt taacagtggc cggaacctct 120
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atcggggcat gcactcttaa actttttggg actcggggga ttctacaaaa gattcatttt 180
 cggctatgcg acaattgctg caccttaacc caacttctaa cactggaacc ttttcaatgg 240
 gccaagaag ctctgcaat ttttgctgct cttaagcaga tgctgacctc aaccctgtt 300
 ctccggttgt cggactttac tctt 324

<210> 9822
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9822

aacatagaat tcccatgtat atgtagatag tttctgcatt ctaccagaca attttttttt 60
 agaaataagc aataggatgc ttgttttggc ttaacacaac accaactccc ctccctgaag 120
 catcagtttc taatacaaaa agtttattga aattaggaat agccaagaca ggtgcagaag 180
 tcatggctat cttaagtttt tggaaagcct gtgcagtagc ttgaccccat ttgaaagagt 240
 ccttcttcaa tagaacagtc agagggtgtg caatggtagc ataggcttta acaaactctt 300
 tataataacc tgtaagtcct aggaagcccc ttaatttctt tagattcata ggctctggcc 360
 aattctgaat tgcctctaatt ttgtttgcat ccatagctat gcctgacct 410

<210> 9823
 <211> 558
 <212> DNA
 <213> Glycine max

<400> 9823

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 gccacacctt ccacatgtaa actcaggcaa tttcctcttt agcttatgtc ctgtgacatt 180
 gtccctcattt acaggtctcc ttctattttt ctttggcctt cctcttttga cccttttatg 240
 tgggtggaaca ggggtgtgtat actgtgtctg ggcccaatat tgtggtcctt ggactgggtc 300
 aataaaatgc tagtatgtct tattataagc ttctattgac agccactcat gacacatgtc 360
 ctcaggcttc cctcctttgt gagttattgt tgcaatgaca tgtccgcatg gcatccctac 420
 atcaaagttg taaaatcagc acacatgtag gttaggaatg aaaaaaaaaac tattaagaac 480

acaacctgtt agttgccata ctccacaagt gcatgtccat tcacctaaat tgacctcaac 540
 cttattttccc cacatgtg 558

<210> 9824
 <211> 117
 <212> DNA
 <213> Glycine max

<400> 9824

agcttcaaca tcagacgcct ttctttgtgt tggaactact tctcatggac ttgatggggg 60
 ctatgcaagt cgtgagcctt ggatgaataa ggtctgccta tgatgaagcg gatgatt 117

<210> 9825
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9825

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 tgggagcaag gtagtatagc caatcttttg tcactccctc cagagaatga ggaaaagcct 180
 ttagaaagat atgatcttct tggacatcag ggggcttcat ggtggaacaa aaaatatgga 240
 actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaacttt ggcagcaaat 300
 gtattagtcc agtcttgaga acatatgaaa caccctcatc aggatattga atgcacaagc 360
 tctcataagt gaaatcaggt gtagccatct ccctaagagt cctcttacga ggtggagggt 420
 gagccatgtt ctgagtatga aa 442

<210> 9826
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 9826

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 taaggcttca tccataatct acattccggt atatgttgat gacatcataa aaacatgaaa 180

tgatattcct ttattacatc aactcatttc taagctaaat atagtatttt ctctcaaaga 240
tcttggatcc tcagattatt tcttgggaat gaaagtaaag catctatctg atggttccat 300
tgctttaact taaaccaa atattataga cttaatgggc aaaaccaaca tgtagatgt 360
caaacctata tcttcccaa tggttaactg 389

<210> 9827
<211> 430
<212> DNA
<213> Glycine max

<400> 9827

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ggttatgaag tatttcggac tatttgcac catgtctgga caacatatgt ctgtatgtat 120
gatttccaat aaattagaac tctcttttgc acccttttta gacttgtag ttttcttacc 180
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agaggattct tcattcacat tacatcgttt taaccaata gaaacatgca tagaagtagc 360
atcgtttttc aattcaatcg aataaagacc atcaaccaat tgaccacaac caataatttc 420
agaattattt 430

<210> 9828
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9828

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tatatcgaga cgctcgaaat tgaacaacgt atggtgtcga gaaattcaaa tggtcataac 120
tngtcacacg gaagtccgat tcatgcgcat aatatatcga gacgctcgaa attgaacatc 180
gcaagctctc gagaaattcc aatggtcata acttgtcaca cggaagtccg attctggcgc 240
ataatatatt gagaagcttg aaattg 266

<210> 9829

<211> 419
 <212> DNA
 <213> Glycine max

<400> 9829

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 taggtccgat tctggcggat agtatatcga gaagctcata attgaacaac gaaagctctc 120
 aagaaattca aatggtcata acttatcaca cggaagtccg attaaggcgc ataatgtatc 180
 gagacgctcg aaattgaaca acggaagcac tcgagaaatt caaatgggtca taacttatca 240
 cacggaagtc cgattaaggc gcatagtata tcgagaagct cataattgaa caacgaaagc 300
 tctcaagaaa ttcaaattgt cataacttat cacacggaag tccgattcag gcacataata 360
 tatcgagacg ctcgaaattg aacaacgaaa gctctcgaga aattcaagtg gtcataact 419

<210> 9830
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9830

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 cttcctagtt ttcagcttac ctatttggat gtgggatcat ggcagttagg tcccagcttt 120
 ccatcgtgga ttcagtcaca aaaaaaactt aaatathtag gcatgtctaa cacagggatt 180
 attgattcta ttctacaca gatgtgggaa gcacaatctc aggttttgta tttaaaccac 240
 tctcataatc atatccatgg tgagcttggtg actacattaa aaaatccaat atctatccca 300
 actgttgatc taagcacaaa tcacttatgt ggtaaattac cctatctttc aaatgatgtg 360
 tatgggttag acctttcaac caattcattc tctgaatcca tgcacgattg tttatgtaac 420
 aat 423

<210> 9831
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 9831

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attcattttt ttatggatac tgtctcattt tctgcataaa aatttgtaga gattctgata 120
 ggtctagatt aatctgataa ttcaaatcat accacttaaa tgtattcgaa tcttttttat 180
 tcatatcaga ttcgaattaa tctaattgaa aatcgatgtt gatagacttt aattattata 240
 tatagataga atttttatga tttaatccat taatcatgtg ttattttcta taatttgcta 300
 ttatttagtt gggttctaagt caataataac attcatatat atcgcttaca ttataatggg 360
 aagtatggca ttattatttg tcaacaatgg aataaaatta tgtta 405

<210> 9832
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 9832

agctctcata gttcaatttc tagcgtctcg atatattatg cgcctaatac ggacatccga 60
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 ctatatgtga tgcgcctaaa tcggacatcc gagttaaag ttatgtccat ttgaatttct 180
 cgagagcttc cgttggttaa ttttgagcgt ctctatatgt gatgggcctg aatcggacat 240
 ccgagttaa agttatgtca atttgaattt ctcgagagct tccgttggtg aatttcgaga 300
 gtctcgatat attatgcgcc taaatcagac atccgagtga aaagttaga ccatttgaat 360
 ttctcgagag ctccggttg tcaatttcga gcgtctcgat atattatgca cctgaatcgg 420
 acatccgaat g 431

<210> 9833
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9833

tgtaaaaaaa tgaagcaggt taaaactctt ttcaaagaat aaattttgtt tgtattagaa 60
 aacccttga acaacttcac attgatttat ttgggtccct tagaactatg agtttgggtg 120
 gaaattacta tggttagta atagtagatg attactcaag gttcacttg acttagttnt 180
 tgaaaaccaa aatgaagct tttgatgctt ttcgcaaact tacaaggtga ttcaaatga 240

aaaaggtctc aacattgttt caattaaag tgatcatgga ggtgaatttc aaaatgagtc 300
 ttttgaaaac ttttgtgaag aaaatggaat ttaccataat ttttttgccc caagaacacc 360
 tcaacataat ggtgtttag agaggaaaaa t 391

<210> 9834
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9834

tcttggtttc agctgctgaa gatgaatccg tggctacttc atgcactcct ctaatgacta 60
 tagcatcatt tctgccacta aactgttggg agttggaagc catcttctca attaaatttc 120
 tggcttttagc aggggtcatg tctccaaggg ctctaccact ggtagcatct atcatacttc 180
 tgtccatgtt actgagtcct tcataaaaaat attggagaag aagcagctct gaaatctgat 240
 ggtgagggca actggcacat agttttttaa atctctccca atattcatac aggctctctc 300
 cacagagttg tctaatacct gaaatatctt ttctgatggc catggctctg gaagcaggga 360
 aattntttta taagaatact ctcttgaggt catcccagct cgtgatggac cttggag 417

<210> 9835
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9835

taatgatgat tcaacccta agcacttatg ggctgaagca gtgaatacta catgttatct 60
 taaaaacata atttacataa gacctatcct taaaagact ctatatgaat tgtggaaggg 120
 atgaaaatcc aacatatcat attttcatcc atttgatgc aaatatttta ttctcaccac 180
 acaggataac ttgggaataa ttgattcaaa aagtataat gggatatttc ttggatactc 240
 taaaaattca aaggcattca gagtttataa ctgaggaacc ttggtagttg aagaaactat 300
 tcatataaga ttgacgaaa ataagtctga caaagattta ttagagctac acgatttgca 360
 gatntaagac tcgatggtga ctctatagca cgtagcttgt aaagaaag 408

<210> 9836

<211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9836

acctgcggca tgcaagctta tgtntcaaac atntataata gacccctca gcagcaaaac 60
 caacaacaac agaataatta tgatctttca agcaacaaat acaatccatg ttggaggaat 120
 catccaaacc tgtgaaggac aagtcctcca caacaacaac aacttgctcc tccttttcag 180
 aatgctgctg gccaagcaa gccatatgtt cctccccaat gcagcagtag caacaacaac 240
 aaagacaaca agcaactgag gtcctcctc aaccttcctt agaagagtta gtgaggcaaa 300
 taaccatcca gaatatgcaa tttcagcaag agacaagtgc cttcattcag attctgacaa 360
 atcaaattggg gtagatggct actcagatga atcaagctca gtcccacaat tatgacaaat 420
 tgctttcaca aactgtgcag aatccgaana atgtgagtgc catcacctt 469

<210> 9837
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9837

agcttcaaga aaaagatggc ctacagcaaac tccttatctc cagaagggaa ttctatcaat 60
 agacctcaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaattttt 120
 attgaggcaa tagatctaaa tatttgaggaa gccatagaaa tagggcctta tatacccacc 180
 acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagaataac tatagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtac aatacaactt aaaagccaaa 300
 aatataataa catctgccct gggaatggat gaatatctca gggtttcaaa ttgtaagagt 360
 gctaaggaaa tgtggaacac tcttcgatta acacatgaag gaactacnga tgttaaaaga 420
 tctatgataa atgcactaac tcatgag 447

<210> 9838
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 9838

ntgaggaaat tcatacgaca ataccttttg acacggatgt cggattgagt cacgtaatat 60
ctcgagacgc ttgaaattga ataccgaagc tctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tcggattgag tcacgtaata tgtcaagacg ctcgaaatag aataccgaag 180
ctctgagcaa attcaaacga caatacctat tgactcggat gtcggattga gtcacgtaat 240
atctcgagac gctcgaaatt gaataccgaa gctctgagcg aattcaaacg acaataactt 300
attactcgga tgtgcgattg agtcccataa tatgacgaga cactcggaat tgaataccga 360
agttatgagc aaattcaatc gacaattaat ttctactcgga tgtcggattg agtcacgtaa 420
tatg 424

<210> 9839
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9839

agctntaaca ttcattttacg agcgtctcta tatataacgg gactcaatca gacatccgag 60
taaaaagtaa ttgtcgtttg aatttgctaa gagctgcggc attcaatttc gagtgtctcg 120
atatattacg ggactctatc agacatccga gtaaaaactt attgtcgatt gaatttgctc 180
tgagcttcaa cattcaattt cgagcatccc gatataattac gggactctat cagacatccg 240
agtaaaaagt tattgtcatt tgaatttgct ctgagcgtca acattcaatg tcgagcgtct 300
ngatatatta cgggactcaa tca 323

<210> 9840
<211> 438
<212> DNA
<213> Glycine max

<400> 9840

acatcgagta aaaatgctat taaatttccc tataatagat gattggtaca attcttttct 60
gtacttcaag ttggtaaaaa aaatttagtt actccaatca tttagaatga agttggtcca 120
ccccattttt actcgagcaa gttagacaaa ttcgatatcat aaatatactc acaaaaactaa 180

tgtaaaatgt ctattatgta attatctgtt gcatgttata tatkataagt ttgttgagtt 240
 catcttttagt tttgttagct cacaccaata tttatgtcaa tttacatatt gttatatata 300
 ataagtgtgt aagattttat aataaatatc tcaaaaatta tttgtgagtg attaatagtg 360
 caaaaaattht ataacggtaa tgcatgaaaa ttaaattcat taataaattc ttgaatgaaa 420
 atacacaata aaatgaac 438

<210> 9841
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9841

atnctgactc cgatagatat aagattcttg tgggataact cattctccct accattacta 60
 gacctgatat ctctctgct gcgggagtggt ctgccaattt atgcagaatc ctcatthtga 120
 ccattggaat gctgacatgc ctattctgag ggatgtatat acagctcctg gactaggggt 180
 gctgtatgaa aacaatggta ttacgcaact atcatgatat tgtgatgctg attgggctgg 240
 atgtcccatg gataggagaa ctacatcacg ttatagggtc ttactgggtg gaaatctaaa 300
 ctcttgcaaa gcaagaaaca gactattgtc tctcggtcca ccgcacaagc cgacgatcga 360
 tctatggcta tcattacatg tgagctcat 389

<210> 9842
 <211> 424
 <212> DNA
 <213> Glycine max
 <400> 9842

agcttgtcgc attgtacgag taccctgaag acttcttcca ggtctgcca ttgaagatgt 60
 caactttcgc tacaagggtca tgccattcgg cctaaaaaat gcaggcacga cataccaacg 120
 actaatggac tgagtcttca aacaagagat cgaatgaaac gtcgaggtat atgtggatga 180
 catggatgtc aagtctggag gatgcatact ggtcttggtta tatccagggt aggcatacag 240
 gaagcttaac acctggaacc cagacgtccc atcgactaac ctgttgatgt tgggcagatg 300
 gtatgtgtct ttagagcatg ctctagacat atcagagtag tcagtgcata ttcgacattht 360
 gctattagcc tatttgacca tgacgatgtt ggcgagccag gtagagaacc taacctctct 420

gatg

424

<210> 9843
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9843

agcttggttca tattcttgat cccatttggt cttnttggtc tttttcagta agttcatgat 60
cggcctagcc ttctcagcta tccaaggtag aaatcttata aaagaggcta tgcgtcctgt 120
gagtctttgt atctctttga aagtcttcgg actcctcatc tcaatgacga ctggacattt 180
atctagatta gcttgatgc ctctttggga aagcataaaa ccaaaaaatt ttctcctcc 240
aatcccaaga acacattttt agagggttaag tcgtatgtat gtttttggat ttgtgaaatg 300
atctcggcta ggtcctcaac atgggacttg actccattgg atttgaccac tatctcatca 360
acgtacacct ctatatttct acgaatttta tctttgaaga tcttatccat gaggcattgg 420
tacatagctc ccac 434

<210> 9844
<211> 379
<212> DNA
<213> Glycine max

<400> 9844

tcttatccaa ggctcatctt ggtggtgaag ctcttctttt catggcttat tcctagtgg 60
atggcgccgc ctcttacctc ttctcctttg tcttccgctg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcttc catagaagct ccacaagcaa 180
gtttccatca tgaatgatgc aatcctaccc cgcaagggca ttggatagaa gactccaagt 240
agattgggct agagatgcaa gagaaggccc tagggttctc atgagcctta ggatagattt 300
cgggccccatg ggctaagtat gagccactt atctttgtac atattaaatt aaggtttcat 360
taattttggg tcttttatt 379

<210> 9845
<211> 436
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9845

agctngccac cacggagttt tccgactatt ctcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcacaaaag 360
caatccaagt ggagcaacaa ttaaaaagga agggagtggc taagaggagt tttaccaact 420
ttggttcttc tagttg 436

<210> 9846

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9846

cttggttaca tacatcatgc aaactaccct ntcccccaag ggtagttgtg atgatattga 60
taaggcttgt aggaattnta ttttgggaca tgattcgagt gaaaggaaaa tccacctagt 120
atcttggaac accatttggt cagataaaaa taatggtggt ttgggcctgt gcaagaagag 180
gtatgtaa at cangccttta tgttgagagc taattggcag ttttgtcaaa tggaagctcc 240
tatttgggct tctattttac gaaacaagta cagatgtggt gcagattcgt tccctacagt 300
tgatagtaaa agggccggta gcaatatttg gcgtgggatt tgctttacgt gggatttttt 360
ttttgtaaga atgtggtttg gagggctggg gatggtacta caatgaaatt ttggcgtgat 420
tgctggatcc ctagaagctt tcctctgatt gat 453

<210> 9847

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9847

ngaagtgggtt aaacttttcta caagatacct gctctgatac catttgttgg atcaagtggc 60
 ctcggaataa ttaagaaggg gggttgaatt aattattaat gaacctttac taattaaaaa 120
 tttatccttc ttaatgttac tagattcaat taggctttta ctataatgtt aagaaagtaa 180
 ataacagaaa aagaactta accaaaagta aaagcgataa ttaaagtgca cagcggaaat 240
 taaagagtgt agggaagaag aagacaaaca caagaattta tactggttcg gcaacaaccc 300
 gtgcctacat ccagtcccca agcaaccacc gggtcttgag atttctttca accttgtaaa 360
 atcctttaca agcaaagatc cacaagggat gtacccttcc ttgttctctt tgaacaacca 420
 agtggatgta ccctccactt gaact 445

<210> 9848
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9848

ntagattcat cacttaccac aagcaatata cactgcatgc tcttgtcatc cagctttgtt 60
 cttttctgat caggtacatg gacatgagtt aggcacccaa atactttaaa gtaatctact 120
 ttaggtttga ttccactcca catctcttct ggagttttat ctttcaactgt caatgtagga 180
 ctctgttga gaacatgaac tgtccatttt gcagctttctg gccaaaaaac ctttgggtact 240
 tgtttgtcac aaagcatgca ccggaccata ttcataatgg ttcgattttt acactccgct 300
 acgccgtttt gttgtggagt gtaagatgtt gtgagttgcc tgcttatgcc attaatTTTA 360
 caaaattcat taaactcatt tgaggatgaat tcaccccccc ctatctgtgc gtaaacaaca 420
 ta 422

<210> 9849
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 9849

tccttaagaa gattcctaaa gaagcttgag cttagctaca catacctctc taatagctaa 60
 gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120

tcaccccatg acaaaaaata tgaaaatata aaaaaatgtc cttactacaa agactactca 180
 aaatgcccc aataacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
 cagacgaagg aaatacctat tctaataat ttaacagataa acgggctcat acttagccca 300
 tgggctcgaa atctacccta aggtcatga gaaccctagg gccttccctt ggatctctag 360
 ccaatctact tggagtcttc tacccaat 388

<210> 9850
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9850

tgtgtntaa tgtttcaatg ctgattgcac cggttcccca ttctgttata gatgtaattt 60
 tttcgtaatt ggtattctga ataactgatt gaaatgatta aaacatcctg aaggcttaca 120
 atgactacta tattttacac aggatactgt agttggattt ttgttggctg gagtgggaaa 180
 tgttgacata cgtaggaaga caaattacct cattgtggat tcaagtatgc cactgaacta 240
 tattttactt actattctgt agtctgagta tgtttggtat taatccccta aaaactacaa 300
 tgtttttctt gtgaaattgt acatcatgaa gtgactccct gcctctttta tctaccatcc 360
 aaattgtgat acccaataaa caatata 387

<210> 9851
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9851

agctntaaca ccattaaggg taaagactct tcccgtggcc tttggatgtc cagtttgacc 60
 attcgggcct ccaccatttc gctctttctt gggctcgtgaa caatctcttt gagtgtgtcc 120
 cttttgtcca taattaaaac atgttgcgcc tatatcagga caattcgagg agatgtgccc 180
 tggcttacca catctgtaac aaatgatatg agtggagaaa gtattgggct tgctaccact 240
 accacctgca aatcccctag caacagtcct ctgattgtca tggcgggttac catattgctt 300
 aggggggttc gaatatgggt ttcttcaatg ttgaggccca ttctttntgt tcttcattgg 360

acctgtactc caataatagg ccgccctatc tcgggagtct tcatcccaaa tccggcacat 420
gttaaccaaa agtgggaact gac 443

<210> 9852
<211> 438
<212> DNA
<213> Glycine max

<400> 9852

catgcaagct tgtaggtaaa ctagatgcct tagttatacc tggtaaccca actggccatg 60
aataaaaaat ctgcacttgt cgccagactc tgtgggtttat gctcatttgt cgaccaccac 120
acagaccttt gcccttctat gcaacaatct gaagcaattg aacagcctga agcttatgct 180
gcaaacatct acaacagacc ttctcaacct gagcagcaaa atcaaccaca atagaacaat 240
tatgacctct acagcaacag gtacaatcat ggggtggagga atcatcctaa ccttagatgg 300
tcgaatcctt cacaacagcc gcaacaacaa ccttatttttc aaaatgttgc tggcccaagc 360
agaccatacg ttcgtccacc aatccagcag caacaacagc aacagccgca gaaacagcaa 420
acagttgatg ctccctccg 438

<210> 9853
<211> 429
<212> DNA
<213> Glycine max

<400> 9853

tgtgttatga aatttatgat tctccaagaa taatttaatt tctcccaatt atgcatgaac 60
cctacttatg aaatttaggg ataatttaatt ttctttcaat tatgcatcaa cctgatcat 120
gaaatttagg gatttttttt tctgtctgaa agtatgaaat cttatattga aaagggatc 180
aattaagttg gcctagaagg aaattttgaa attgctatctt gcaaacccca ttttgcatt 240
ctcagtccca cttgcttttt tttcccaaaa attattatta aacatgatta aaggattgaa 300
agttttatacc ctgcaattaa attaatgtga atgctttgaa attattggta gcaataaata 360
tatatatatg ctacatattt cttttgaaag tgttgaatgc aaatcacaac taaatgtgaa 420
tattattta 429

<210> 9854

<211> 424
 <212> DNA
 <213> Glycine max

<400> 9854

tataatgtct tgaaaaagat tgattatcca tatgagggtca gcgttatttc taaattctaa 60
 ttctatcaaa taagccaatt atcattatattt attattgaat ttataattga cattcctctc 120
 atatgcatct gaaacaaacc ttgatcctag acattcttac tctcatttct ttacttttgt 180
 gttacgcatt ggaattcatt tttatccaag atttacattc actcaaaatt ttattgggta 240
 aatacgtgtg tcaagagggg acataaatag aatttatttc acttaagatt tctcacttat 300
 ttgacattgt aatcataatt tttttccagc acatattgca cagcatgaaa gatcccagta 360
 ttgctgcatt ttggttgact acatttcctc agattatggg tggatttacc tatgacgatg 420
 atgt 424

<210> 9855
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 9855

agcttattta aaagttctgc ttaaagacgt ttttgattaa ttaattattt taaaacctag 60
 tgaaatacta actaaaaaaa gaaacttata aaattttgta taagtaatgt acaaattcaa 120
 aaataattga taaacaaaat catattgaat tcaagtcggt aaagcataga gtatattaaa 180
 agaaaataaa aaaaacataa tagtaaaaaa tgtatggatt agagatgatt tgcaaaaaat 240
 gaattctatt ctatgtgaac agtgtgcatg gacagtaata aaaattggaa tactaaaatc 300
 ctagaattat tctcctttcc gaaaaaaaat tccctaaact aaaaccttgg tgcttgata 360
 taagtacttg gccccaaagc ttacaaatct attttaagtc caagcccat 409

<210> 9856
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 9856

actaagctta tgctgaaata ttacaataga cctcctcaac ctcatcagca aatcaacca 60

cagcagaaca attatgacct ttccagcaac agataccacc ctggatggag gaatcacccct 120
aacctcagat ggtccagccc tcagcaacaa tagcagcctg cttcttcctt ccaaaatgct 180
gctggcccaa gcagaccata cattcctcca ccaatccaac aacagcaaca accccagaaa 240
cagccaacaa ttgaggcccc tccacaacct tccctogaag aacttgtgag gcaaagtact 300
atgcagaaca tgcagtttca gcaagagacc agaagcctca ttcagagctt aaccaatcag 360
atgggaca 368

<210> 9857
<211> 413
<212> DNA
<213> Glycine max

<400> 9857

ttcattagat tgaactgcct tggatttatt atttgtattc acagacttgt acaaatacaac 60
ttcaagctca cataaatctt caaccacca gtcttttggc accagtcgag ttctgagtcc 120
attctggttt gactcaattc cattttcctc tggaagcttc ttccggttat aggtgtagga 180
ccaatctact ttggatacat caacacatgc cttatttgct atagattcaa tgcaatggct 240
gacaaccttt atgtcctcaa ccaagggtaa catatacttt gaagtctgaa gaaggatgat 300
tgaatccttc caactacgga aaatgctaga gctaataaaa acatcaatct tgtcaatgag 360
gttccctttc tcaatggcct catgcattcc aagatactct gctgcacatc gag 413

<210> 9858
<211> 421
<212> DNA
<213> Glycine max

<400> 9858

ttgttttcaa tttcgaccat ctcgatatat taccggactc atccggactt ccgtgtataa 60
acttattgtc aattcaattt tctccgagct ttggatcaaa attttgagcg tattgatata 120
ttacgggact cattcagaca tccgagtaaa aaattattgt cgttagaatt tgatacgagc 180
ttccggtttc aatttgagc atctctcgct aaattgagc agtctgtcgg gcatccaaga 240
aaaaatttat tgtcgtttca tatttctaag agtttccggt ttcaatttgg agtgtctcga 300
tatattacgy gactcaaccg gacatccgtg tataaagtta ttgtcatttc aaattgctca 360

gagcttctag tctcaatatt gagcgtctca atatattacc cgattcaatc ggacatgcga 420

g 421

<210> 9859

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9859

agctctgagc aaattgaaat gacaataact ttatacacgg atgttcgggt gagtcccgtgta 60

atatatcgag acgctcaaaa ttgagatccg aagctctgag aaaattgaat cgacaataac 120

tttatacacg gatgtccggt tgagtcctgt aatatatcga gacgctccaa attgaaaacg 180

gaaactctta cgaaattcaa acgacaataa ctttttactc ggatgcccgga cagagtgtgg 240

taatatatcg agggatgctc cacattgata acgagcgctc ggatgaaata caaacgacaa 300

tatcttttca ctcagatgtc tgattgagtc ccgttatata tcgagacgct caaatcttag 360

atccgaagct ctgagaanat tgaatagaca ataactttat acacggatgt cggggttgagt 420

cctgatatat atcgagacac t 441

<210> 9860

<211> 428

<212> DNA

<213> Glycine max

<400> 9860

tgccataact cggttgtgct tattcttcaa tgccatatgt agcaaagtcc ttgatcctgt 60

caagttgat gagctgaaaa acgaggcttc cattatatgt tattagttgg agatgtattt 120

ttctcttgct ttctttgaca tcatggttca ctttaattatt catctagtca gaaaaatcaa 180

atgttggtgt cctattttatt tgccatggat gtacccggat aagcaatacg tgaagatctt 240

aaaagggtat acaaagaatc cacaccgtct ggaagcatct attgtggaaa ggtacattac 300

agaagaagct attgaatttt attcagagta cattgaaaag acaaaatctg ttgggcttcc 360

cgagtctcaa catgacgaaa gagtgggagg taagggttca agaggactgt atgttatcac 420

tccaagta 428

<210> 9861
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 9861

agcttgtgca atccactggg aaccatcctc tgagcaagca tacaaatgga aaaatatgag 60
 tcccaaagta ccaaaatccc tgcggatata tgaagctcat gttggaatta gtggttctga 120
 gccaaaaata tcctcattca atgatttcac agacaagggt tccccctca tttctttggg 180
 ttggaatttg taactaatca attatacata tcttccatgt ctatatattg taatgggctc 240
 cattgaattt ttacttttat tatatgcaca atgcagggtc ttccttacat taaggaagct 300
 ggatacaatg ccatccagtt gattggaatt gttgaacaca aggattattt tactgttggt 360
 tacagagtaa gttaaagtt gtaattctta acttattttc tcaactgtaat tatattgtga 420
 ttgagattct ttagaagttc ttc 443

<210> 9862
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9862

ngaggtaatc tactcaaagtg tgtatggacc atccaaattg gatctcttgg tgcaaatatg 60
 catttgtgtt ccttcattga tgatttaact agaaaagtgt ggatttattt gattaaatga 120
 agagtgatgt gtttgatgtg ttcaaaaagt tcaaaagggt gatttagaaa caaataaaca 180
 aacagataaa agtgtaaga acaaacgaag gtggtgagta tgtattagat gtgtttcgaa 240
 acttctatga ggtagaagtg atagtgcag aaataacatt atcctatact ccacaacaca 300
 aaggaactat tgagagaaaag tgtaacgacc cgctcgtcg ctacgatatc acttactata 360
 aaatatgaca tttcaattta gaagtaaaag cctcattaat ttga 404

<210> 9863
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9863

ntacataaag gcgaaagata tgaaacatta atacttgtat gaacaacatc ttgtcttgtt 60
ccctttggta tgactgaaag tatttgtctg aaagtatttt attatatccc ttaacgttct 120
atcaacaact tcaaaacaat gtatgagtc tagcagcttc accccaaatt atgagtttag 180
gcattgagat taactcagct aaaggagtac cttgttttat gttggaagta gaatcttaat 240
tgacatttat tggaatatga aatctcgaat gggatgcttt tccgcctaga atcaacaaag 300
catccattcc atcagatgcc acagttaaaa caatttctcc tttagatcta aatgtggcaa 360
agaaaagctc ttcaaagaag acttatgtgt cctccataa ccataaagaa taaacaatat 420
tgcattatth aaattttca 439

<210> 9864
<211> 281
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9864

ngtcaaagct ctatatggat ngaaacaagc tccaagagct tggtatgaaa ggctaagctc 60
attcctagtt cataatggat tcactagagg aataatggac actacactat tcataaaggc 120
cgaaaaagga aaacttctta ttgttcaaat ctatatagat gacataatct ttggtgcaac 180
ctcaaaaagg atgtgcaagg atttttctga gctaataaaa ggtgaatttg aatgagtat 240
gatgggtgag ctaaaattat tccaaaggct ttaaattatt t 281

<210> 9865
<211> 245
<212> DNA
<213> Glycine max
<400> 9865

aactcaagct tgaatcggac ctacgtgtga aaagttgtga ccattttaat ttctcgagag 60
cttttgttcg gcaatttcag gcgtgtatat atgtgagtcg cccgaatcgg acatccgagt 120
taaaagtgat gtgcatttaa atatgtcaag agctaccgtg gctcaattgc gagcatctcg 180
atatgcgatg cgtctgaatt ggagatccct gtaaaaagta ttgaccattt gaattggtcc 240
agagc 245

<210> 9866
 <211> 255
 <212> DNA
 <213> Glycine max

 <400> 9866

 agcttataat atatcaatac gtcgatatt aaacaacgga aactctcgcg aaattcaaatt 60
 agtcataact attcacacgg atgtccgggtt cgggcgctta atatgtcgag aggctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa ctggtataac ttttcacacg gatgtccgat 180
 tcaggcgaat cacatattga gacgctcaaa aatgaacaac ggaagctcct gagaaaatca 240
 aaagggcata actttt 255

<210> 9867
 <211> 345
 <212> DNA
 <213> Glycine max

 <400> 9867

 agcttgcttc atgaaaggaa ggattgatat gatataattaa tattctcatg taaacatgac 60
 ccacaataag gttttaaact tcttgaccat cttgggcttg agatggatct tctgtcatt 120
 agtcaatttt ctatccataa tatatttaatt tttttagtta tatgatatca atgtaagcct 180
 ttgatctcat tgattgaaac tccaagctct gacaagtcac actttacaat gttgctttgt 240
 gatgtctgtg gatggggaag caagcaagggt gatgaaagggt gttcaatatg aagcctgtga 300
 ttatctcttt aagcctataa ggatgaaaga actaataaac atatg 345

<210> 9868
 <211> 359
 <212> DNA
 <213> Glycine max

 <400> 9868

 agcttccact tattagtgcg caactccttc aagaatttag catatcttgg aatttgcttt 60
 attgcatcca gcagagggtat gtttacctct acttttctaa atgtttccaa gatctccttc 120
 tctgcctctt ccattttttt gttggaaatt gctcttggag ggaatggaag aaggatatgc 180
 tgcttctctt tagattcacc tgcataaaaa ttcttaggta acttactctt taaatttttg 240

tcatcatctt tttctggagt agagagaaat tgggcacgtt catttgtgga tgaggaagat 300
gttgctgggt gaggtccttg aactgcttt cccgacctca atgtaatggc actcatatt 359

<210> 9869
<211> 369
<212> DNA
<213> Glycine max

<400> 9869

agcttacaag gtgtctctat atataacact aatgagacac aagtttttac aaaccaagtg 60
agggtgggact aagactacaa aactctaaca atccaagcaa tgtgggacta agaccacaaa 120
attctaacaa ttctctcact tgggggtctaa gttctaaatt ctagcaactc cttgtaagcg 180
atgagttcat cgactcttta cctagtgtag cgccttcac ttcaattatc cttgaaggcc 240
aaatgaggca atgcaaagcc tcagcttata agttgtaaca gctttagtca acatatctac 300
tggattctct gatcctaaga tcttcaacaa agataagtct ccatcattta tcaactccct 360
gataaaatg 369

<210> 9870
<211> 381
<212> DNA
<213> Glycine max

<400> 9870

agcttcttct tgtttctctc cccatttgaa accaatatct ttcttgagca cttcattgag 60
agggtgctgcc aatgtgctaa aatccttcac aaatcgtcta taaaaacttg ctaagccatg 120
aaaactcctc acctcgggtca cagacttagg tgtatgccat tcttgaatag ccctaacctt 180
ctcctgatca acttgactc cttttgaact cacaacaaaa ccaagaaaca caacatgggt 240
agtacaaaag atgcattttt caagattggc atacaattgt tcttttctaa gcgcagtcaa 300
gacagatttt aaatgatcaa tatgcaaact aagtgaagtg ctcttgataa taatatcatc 360
taacgtcacc acaacaaact t 381

<210> 9871
<211> 379
<212> DNA
<213> Glycine max

<400> 9871

aaactccagc ttcttcacat agtccgcctc tgcttggtcg tttttattct taaaaataga 60
aacattaggg atagccaaaa gatcaagagg agttagtggg ttaaaacccat aaacaacttc 120
aaaaggagaa ctattagtag tgctatgaac aactctattg taagaaaact caacatgggg 180
taaacaagct ttccaagttt ttaagttctt cctcaaaact gtcctaagca aagttcccaa 240
tgtcctatta acaacttttg ttgcccacg ggattgtggg tgacaaatgg ttgaaaataa 300
cattttattg cccaacttgc ccacaaaagt ccttcaaaaa aggcttatga acttagagtc 360
ctatcactaa caatgatcc 379

<210> 9872

<211> 370

<212> DNA

<213> Glycine max

<400> 9872

agcttcacaa aagtttatat ggcttgaaac aagcattgag gcagtggtag aagaagtta 60
atgagtttat gagcaactca tgattcaaaa gatgtgacat agaccattgc tgctatgtta 120
agaaatatac taatagttat gttatccttg tcgtgtatgt tgatgacatg ttgattgcag 180
gatctagtag ggcagaaatt aacaagttga agcagcagtt ggcaaaaaac tttgaaatga 240
aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcaaaag 300
gaatcttgaa gctgtctcag gagaaatata tacacaaatt gcttgacagg gtttaccttg 360
gagattctaa 370

<210> 9873

<211> 287

<212> DNA

<213> Glycine max

<400> 9873

agcttgaagg tttatttcta tgaattctaa tataagcaac aattaccttg tatgatgtaa 60
atatgagaaa atctaattaa tttaatgata ctattcttaa aacatccttc atttaattgc 120
gattctattt ttaatgactt ttttttttct atgatatgaa gattacataa aggaaagttt 180
aggaaaataa gattttttta ttgagattat tacaattaaa ttatgttaag tgactttctt 240

aattagtaca aaattaatta tttttactta tatttgaatc tggaagg

287

<210> 9874

<211> 395

<212> DNA

<213> Glycine max

<400> 9874

ttgaagtggc ttgacctttc aaataattat tttcattgac tgattcctcc tacttttggg 60
aattttatttt atctcaaata tctagacttg tcttcaaaca agtttaaagg ttcaattcct 120
ccaaaattgg gtgctctaag gagcctcaaa acattgaacc tttccaataa cttgctgggt 180
ggagagatac caaaggaact tcagggcctt gagagtttac atgattttca aatattcaac 240
aatcacttga tggaagggtg ttggaccaat ctaagagttt ttgctgctta tgagaataat 300
ttcgatggaa ggggtccaag taaacttggg ttcatttatg agcttaaaac acttaacctg 360
cattcaaacc accttgaaag ccctataccg ggaag 395

<210> 9875

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9875

agcttcttcc ttatcatacc gccgggtaat cggtacactt atttacctga caaacactcg 60
tactgatata acctatgttg gtcaacaact catccaatat atggctcatc ctacctcagc 120
tcactcccaa gccgcctttc gtgtcttacg atacctcaaa agctctccat gtttcagaat 180
atttcttgct gccaacggac ctctacaact caaagctttc aacgactcct actggncctg 240
ctgtcgggat acgacgcgtt ccatcacagg gtacttcgaa tatctcagaa tcttccatta 300
tttcttgggc gtcgaaaaaa caacctact 329

<210> 9876

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9876

tgtgggtgga ggacgcatga acgaaaacac aattctggtg ctcctaanaa gggttgagga 60
 tggagaattg cactaagcaa tcactacgca cggctccaag ctccagggtg gaggacgcat 120
 gaacgaaaaa gcaattcatg gggctccgaa aaagggttga ggatggagaa ttgcactaag 180
 caatcactac aaacggctcc aaactcgtgg gtgaaggacg catgaacgaa aacgccattc 240
 atggggctcc gaaaaagggt tgaggatgga gaattgcact aagcaatcac tacgcatggc 300
 tccaaactcc tgggtggaag acgcatgaac gaaaatgcaa ttcattggggc tcccaaaaaa 360
 g 361

<210> 9877
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 9877
 agcttgctcg tcttgctgat atttatcatg cagacttttc tgatgatgac cgaggaacaa 60
 ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttccactt 120
 gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180
 cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca acatccgttg 240
 aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300
 tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360
 atattgatat tattcg 376

<210> 9878
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9878

tgggcaaatt ctacgacaat aacattttac tcggttgctc gactgagtca cgtaatatat 60
 tgagtcgctc gaaatagaat acagaagctg tgagcaaatt ctaacgtcaa taactntttt 120
 ctcggatgtc cgattgagtc acgtaatata tcgagacgct cgaaattcaa tacagaagct 180
 atgagcaaat tcaaacgaca ataactttta actcagatgt ctgatcgagt ctcgtaatat 240
 atacagacgc tcgaaattga atacaaaagc tttgagcaaa ttcaaacgac gataactttt 300

aactcaaatg tccgatcgag tcccgcataa taacgagatg ctagacatag aatacagaag 360
 ttgggagcta attctaaaga caat 384

<210> 9879
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 9879

tagcttgcca ccacggagtt ttccgactat tgtcttgtgt gggggaacaa gctacaaaag 60
 gagagagcaa gaaatgaata gcccattggt gatacatgga cggagatgaa aaatatcatg 120
 aggaaacggt atgtgccggc tagttactca attgacttga aatttaagct ccaaaaaacta 180
 acccaaggca acaagggggg tgaggagtat ttcaaggaaa tggatgtgct catgattcaa 240
 gcaaatttg aagaagatga ggaggtaact atggctcgat ttcttaatgg tttgactaat 300
 gatatccgtg atattgttga gctgcacgag tttgttgaaa tggatgattt gcttacaaag 360
 c 361

<210> 9880
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 9880

tctgttttca atttcgagcg tctcgatata ttccattact caatccggca tccgagtaaa 60
 aagttattgt ccttttgaat tgctaggagc ttctgttttc aatttcgagc gtatcgatat 120
 attaggggac tcaatcggac atccgagtaa aaaattattg tcgtttgaat ttgatatggg 180
 cttccgtttt caatttcgag cgtgtcgata tattacaaga cataatcgga gtaccgagta 240
 agaagttatt gttgtttgca ttaggtacga gcttccgttt tcaattttga gtatctcgat 300
 atattacggg aatcaatcag acatccgaga aagaagttat tggtgtttgc attttgttcg 360
 agcttccgtt ttcaatttcg agcgtctc 388

<210> 9881
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 9881

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agcttaacaa aaggcatgcy aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggttttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360
ctctataaac atta 374

```

<210> 9882
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 9882

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tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa 60
gctctcctcc ttgagatgag aagctagaac ttagctacac accccctata atagctaagc 120
tcacccccat gacaaaaaac atgaaaatac caaaaaaagt ccttactaca aagactactc 180
aaaatgcctt gaaatacaag gctaaaaccc tatactacta gaatggccaa aatacaaggc 240
ccaaacgaag gaaaaaccta ttctaattt taaaagata agcgggctta tacttagccc 300
atgggctcaa aatctaccct aaggctcatg agaaccctac 340

```

<210> 9883
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 9883

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tctaccccct gatatTTTTT tgtcatttct ccattctctc ttcattgaact tttcacactg 60
caacagtgtg ctccactaga gagacactga atttgggtcc aacaccgcat taaaagtcac 120
cgttgtgact cactgatgca atcctacccc cccaagggca ttggatagaa gactccaaaa 180
atattggacc agagatgcaa gagaaggccc taaggttctc atgagcctta gggtagattt 240
tgggcccacg ggctaagtat gagcccactt gtctttgtac atattagatt aggatttcat 300

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tatttttggg ccttgtatat aaggcttcat aatgtatgta gggtagccct aaaatgaaag 360
 atttttct 368

<210> 9884
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 9884

tcagttcact gcttcatgta gtgcacaata tgctttcaga gaaaacactc tgccaaaaaa 60
 gttactatca agcgaaaaag atattatgtc tgatgggtat ggggaatcat aagattcatg 120
 tttgccctaa tgattgtata ttgtacagac atgagtttga agagatgaac aaatgccctc 180
 ggtgtggggg atcacgctac aaaatgaaag atggagatga gtgtagtatt gaccaaact 240
 caaagaaagt tccccagca taggtgatgt ggtatcttct g 281

<210> 9885
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 9885

ttcagtataa ttcagataat atagaattct ctattttgta tcagtttgca ggtgcagcac 60
 agtctcttgg tgctggtgct atcttgggta acccatggaa catcacagag gttgctgctt 120
 ctatcggtta tgcgtaggaa atgccacctt atgaaagaga aaaaccacat cagtttaatt 180
 tcaaacatgt tgaaactcac acgtcacagg aatgggcagc aacttttgtg aagttttaat 240
 cctataacat agcttgcat ctgcttctct tagatcaatg ttcttccgca ctttattttt 300
 cttgtgatat agaacatggc gccttacatg agcatattat atcgaccact aaagctagtt 360
 tgaaatagag tcaatgggaa aa 382

<210> 9886
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 9886

agcttaacaa aatagaatat ttatgctttt ctggaaacaa cctactgggc caattgccat 60

catcattggt tgggctaact cagcttagtg atttagattg ttcatacaat aaattagttg 120
gcccaatgcc agacaaaatt agtggacttt ctaatttatg ttctctggat ttgtcaacta 180
actccatgaa tggaacaatt ccccatgggt gcttttcttt gtcacgttg atacaattat 240
ctcttcatgg gaatcagctt acaggggtcaa ttgggtgaatt ctcttctttt tccttgcaatt 300
attgagatct ctcttataac aagctacaag gtaatatccc caactcaatg tttcatctac 360

<210> 9887
<211> 213
<212> DNA
<213> Glycine max

<400> 9887

ttagtaaaga gagagaactt ccaattaatc agagcttcat atgcttttcg gatgaaaaac 60
aatgtgtgta ccggtgaatg ggagtatgct gatgaaatct tctcataacc acaaatgaga 120
tattggatgt tagcatttcg tttctataat gaccacttag aggaaacatt ggggtctcacc 180
taaatacaag aaaatcactt caagtgtatt aat 213

<210> 9888
<211> 394
<212> DNA
<213> Glycine max

<400> 9888

taaaggagaa gttgggttttc tgaactctaa actggataac atgacaaaat caataaagat 60
gctgaataaa ggctcagata cgcttgatga ggtgctgcag cttggaaaga atgttggaaa 120
ccagagagga cttggattca atcctaagtc tgctggcaga acaaccatga cagaatttgt 180
tcctgccaaa aacagcacta gagccacgat gtcacaacat cgggtctcgac atcatggaac 240
gcagcagaaa aggagcaaaa gaaagaagtg gaggtgtcac tactgtggca agtatgggtca 300
cataaagccc ttttgcctatc atctacatgg ccatccacat catggaactc aaagtagcaa 360
cagcagaaaag aagatgatgt gggttccaaa acac 394

<210> 9889
<211> 371
<212> DNA
<213> Glycine max

<400> 9889

agcttcctcg tggcttcttt gagaagcttt ctcaagaggc ttctttgaga agctagatcc 60
ttatctatcc acaccctct attaactaaa ttaacttct taaaaataat tacggatgaa 120
aataacgcaa caaataatca aacattaaac ataattacta ataatatata gatatatata 180
tcagggtgtt acaactctcc taccctttta gaaatttctg cctcgaaatt taccttactc 240
aaacaaggat gggtagctt ctgcacatctg acttttcta tcccatggt catcttctct 300
tgatgcacct cccagatca ccttgaccaa cggaatctct tccctctta ggtgggttgt 360
tcgcctatcc t 371

<210> 9890

<211> 387

<212> DNA

<213> Glycine max

<400> 9890

tcaagaatta tggcctcatc aaactacttg ttccctagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccactac tggaaaacc gcacgcaa ctttatagag 120
gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180
gccggaagtg caacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300
tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca agtaacacat 360
gaaggcacia cagatgttaa aagatct 387

<210> 9891

<211> 365

<212> DNA

<213> Glycine max

<400> 9891

agctttggga tgacagtcca taccttctga aacagttacc tggaattggg atggttacag 60
caaaggtaac atttattgat tcgttgatgt tattaacaca taattgttac taatacatat 120
gctctagcaa tcagttgcct aatattctaa ttttgaagtt ctttccaggc actgcattca 180
atgggagtta gatcgtttga ggaacttgct gatgctgatc cgaggagaat agagctagt 240

actggtcgaa aatacccatt tggtaaccat attaaagatt ctctactgtc tctacctcca 300
aaagttgatg tgacgcttgc agagattgaa agccatatac aaggaaattc caagctagta 360
gtaac 365

<210> 9892
<211> 372
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9892

tgttggttat aacaaacttt aaccaactaa ctactaacta ataaaattaa ctaccatatg 60
aattaactaa tttcaacact tcctcttaat tcatattggt acaagacatt actcctagcc 120
tatctctcat ttccttaaatt ntgatacact tcaaaggctn tgtcaacatg tttgctagtt 180
gatcttaaga tctacaaaac tcaagctcaa acttctcctt attcacatga tctctcaaaa 240
agtgaaactt ggtctcaata tgtttacttc tcccatgtgt cactgggtgt tgtgccaaagt 300
caatagttaa cctattatta attaacaatc tcattggctt gaccatcttt caaataagtt 360
ctttcatcac ag 372

<210> 9893
<211> 332
<212> DNA
<213> Glycine max
<400> 9893

tgcttccttc atcgtagtta tccacgagac cataatacca actctggtcc aatggccaaa 60
agattttaat tctccggttt agtacccaat atgcatccac atcacctaaa aggatttcat 120
aaaaatggcg cctcttcctg gagttactct tgtttttata ttgtttccta ggctcaaaa 180
ctctgccagc agtatcagct gatgttgatt ctgaacctaa cggagacttc aaactgtggt 240
taacaatact ttgactagaa gattggaaaa aggacaaacc atttgaacct ttcataaaaa 300
atccagtaca gcttggatca aaccttgaag at 332

<210> 9894
<211> 410
<212> DNA

<213> Glycine max

<400> 9894

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tcttctatatt tcagattggg aatgcctcta acagcacctt tgtcaatgat ttctttcatg 120
cctcttatgg gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttggag 180
gatagacatg cggaggagtg actgggttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagatta cattgaatcc ttcacacac aactgactga tgctgatcaa gattgcagtc 360
agacccttca ccagcagtac tttgtccaga ctaggaagtc catcatgggc 410

<210> 9895

<211> 388

<212> DNA

<213> Glycine max

<400> 9895

tagcacttgg aatactgacg ctccattgac cagcctgttg atgctatgta aatggatatgc 60
atctttgggg catgtcctgt tcagatcagt gtaatcgggt cacattctcc atttgtcatt 120
ggcctttttt accataacga cgttggcgag ccagggtggaa agccgaacct cttt gatgaa 180
gtttgcatgg aggagctggg cgacttcttc ttgacagct ttaagctgct cttctcccat 240
cttccttttc atttgttata taggtttggc ctggggacag atagccaatt tgtggcagat 300
tatgccagga tagatccctg acatgtcaga tgattgcaag gcaaataaat ccacatttct 360
gcattgcaac gtggcaatgc accggtgc 388

<210> 9896

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9896

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tcctgtcag atacaatact agaaggaatt ccatgcaacc ttattacttc cttgatgtac 120
aactccacta gcttatccat tctatacttc atattcactg ggataaaatg agcagatttg 180

gtgagtcgat ctactataac ccacacagca tcatgtccac gactagtctt gggtaaacta 240
gatacaaaat ccatagatat gctctgccat ttccattctg gaatttccaa tggcttcaat 300
tctcttgatg gtcgctgggtg ctcaacctta tccttttgac atgtcacaca atangctaca 360
tattcagcta catctttc 378

<210> 9897
<211> 340
<212> DNA
<213> Glycine max

<400> 9897

tgtctaactc acttccccac tcttccttat ttcttgcacg aagaagataa gccaaactcat 60
taagaactaa tggaatgtcc ttggcataat tgaccacctt ttttgataag ttgtcatact 120
ccctttgatc atcacattgg ttaaagaaat tcaaattgaa aagttcaagt gcttgattta 180
aactgaattc tctaagcggg tatacctcat cagctttggt agctttaaga acttgcatat 240
ctctagttgt tacaatgatt ctactacctg atccaaaatt accaagaggt ccaagtaatt 300
ttttctagtg atttgaatca ttcacatcat caagaacaat 340

<210> 9898
<211> 342
<212> DNA
<213> Glycine max

<400> 9898

ttcactcgga ggcccgattc aggcgcataa tataatctaga cgctcgatat tgaacaacgg 60
aggctatcga gaaattcaaa tggacaatac tttgaactcc gacgtcctat tcaggtgcat 120
aatatatcta tacgctcaaa attttacaat ggaagctctt tggctattca aatggtcata 180
actcttcact cgaacgtccg attaacgcgc ataatatatc gacacgtcc aaattgaaca 240
atggaggctc ttgagcaatc caaatggtca taacttgtga ctggaggggc cgattcaggc 300
gcataatata tcgtgacgca tcgaattgaa caacggaagc tc 342

<210> 9899
<211> 282
<212> DNA
<213> Glycine max

<400> 9899

agcttttgatg taacatttgt agaggttata tgaacaacg agatgatgcg ctccatgaga 60
ggttggatca aatggagaat agagaccata tgaattgctc aagagcttcc attgttcaat 120
ttcagagcgtc tagatatata atgcgcctca atcggacctc cgagttaaaa gttttgacca 180
ttggaaatgc tcaagagctt ccattgttca atttcaagcg ccacgatata ttatgcacct 240
gaatctgacc tgctagtac aacttatgac catttgaatt gc 282

<210> 9900

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9900

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tcttcttatt atgactcaca ttggccatt tccattacga aaggtattcg ctctactcgt 120
aatcctcacc ctatttataa tttcttaagt taccaccgtt tgtctccttt gtatagatcc 180
tttgttttct cattggcctc ccttactatt ccttccattg tccgtgaggc acttgatcat 240
cctggctgga gacaggctat gggtgatgag atgcaggctc ttgacgataa tgggtacttga 300
gagctggtac ctctatctcc tcggaagacc actgtgggtt gtagatgggt ctacactngt 360
aaagttgggc ccaat 375

<210> 9901

<211> 381

<212> DNA

<213> Glycine max

<400> 9901

tcccaagttt ttaagttatt cctcattact gtcctattca aagttcccaa agtcctatta 60
acaacttccg tttgcccacc ggtttgtggg tgacaagtgg ttgaaaataa caatttagtg 120
cccaacttgc tccacaaagt cctccaaaaa tgcaaatcat caagcctagg tataggatgc 180
ctatatttaa tgggtgatgtt attaagggtc ctacaatcag aacacatgcg ccatgtccca 240
tccttttttag ggaccaaaat cactgggaca gcacaaggac tcgtactatc tcttacccaa 300

cctttgctaa tgagttcatc cacttgtctt tgaatctcta tgcgttcttg tgaattactt 360
ctataagctg gcctattggg c 381

<210> 9902
<211> 352
<212> DNA
<213> Glycine max
<400> 9902

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atcgagacgc tcgaaattga atgttgaatc tatgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgttaata taacgagact ctcaaaattg aatgttgaag 180
ctctgagcta attcaaacga cgataacttt ctactcggat gtctgattga gtcctgtcat 240
acatcgagac gctcgaaatt gaatggtgaa gctctgagcc aattcatacy acaataactt 300
tttactcgga tgtctgattg actctcgtca catatcgaga cgctcgaaaa tg 352

<210> 9903
<211> 363
<212> DNA
<213> Glycine max
<400> 9903

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taaaaagtta ttgtcgtttg aatttgctca gagcttcaac atttaatttc gagcgtctcg 120
atatattacg agactatatc agacatctga gtaaaaagtt attgtcgttt gaattcgctc 180
agaggttcaa cattcaattt cgagcgtctc gatatattac gggcctcaat catacatccg 240
agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt tcgagcgtgt 300
cgatatatta cgggcgtcaa tcatacatc cgagtaaaaa gttattgtcg tttgaattgg 360
ctc 363

<210> 9904
<211> 310
<212> DNA
<213> Glycine max
<400> 9904

agcttagtca gggaattcat tgtcattatt cctctgaca taacaaacag aaagagtgat 60
gagtaccata aagtgtttgt cagaggaaaa tgtgttagat tctccctgc tgtaatcaac 120
aaatacctgg gcagaccaac tgaaggagtg gtggatattg atgtttctga gcatcagatt 180
gccaaaggaaa tcaactgccaa acgagtccag cattggccaa agaaagggaa gctttctgca 240
cggaagctaa gtgtgaagta tgcaatcctg cacaagattg ttgctgcaaa ctgggtaccc 300
accaatcaca 310

<210> 9905
<211> 370
<212> DNA
<213> Glycine max
<400> 9905

tggttacctc cttcttcact acatcaagaa ttaccgtggt tgagtcttct ctgtggctgt 60
cttactgggt tagcccatc ctctaaatct atccaatgca tgcattgtga tgggctaata 120
ccaggaatgt ctgccagggt ccagcctata gccttcttat gcttcttgag aactgataac 180
aacttctcct cttgctcatc agtaaagaag gcagatataa ttactggaaa acttttgctc 240
tcatctaagt aaacatattt taaatttgat ggcaaaggct tcaattgtgg tgtggatggt 300
tggatagtgg tagaaagaga tggtttctca gcctgtacct cataaagaaa gtcagaggta 360
tgtgtacttt 370

<210> 9906
<211> 374
<212> DNA
<213> Glycine max
<400> 9906

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gggtatgaac aattttatga caaggagaat aatggtgggt gacaccaagt tccatccaat 120
aacaacatg gccgccacca attgcttgaa gaactgcaca ccaccacctc caccatataa 180
tgcacccctt gaatttggtta ctggcaatag aagtctacaa agggctggtt ctgctaatag 240
acctgtgagg agaccacca aaaggccagc cacagcatgt gtgtgaaaca caccaagggt 300
gtcatctacc tgaacataat atttttcaca aaattatggt aagtacaaat tataactaagt 360

aaaaaatcaa gagt

374

<210> 9907

<211> 332

<212> DNA

<213> Glycine max

<400> 9907

agcttttgtaa ttatgtaacc gaggggtgcgc atgaagcaga gttcgggtgtc gacgcccacg 60

gtgatgaaaa aggttcggag gacggaggag gcgagtttgg acgacgccgt ttggaggctg 120

ggggcgagga ggtagtggaa gtagaggag cgggcttcgg ggggcgcgtg gcaggcgcgt 180

agccagaaga ggcgcgtggt gaagacgagg ttgaagaagg tggagaggga ttcgggtgtg 240

tgcgagtcca tgatccatgc gatgggctcg ggattcagtt tctggagctg ggaacggggg 300

caggtgctat cgtgcgccgt gggggagtgga ga 332

<210> 9908

<211> 344

<212> DNA

<213> Glycine max

<400> 9908

cgcttaacaa aaggcatggt aagtggttgg aattcctaga gcaattccct tatgttatca 60

aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattgggc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcaaaaaat ggtttcttta 240

aacatgaagg ctttggtttt taaaaaaca aaatgagtggt gcctatatgt tttattaaaa 300

aaatgtttgt ttttaaacca tcaaggacgt ttaaggggca tttt 344

<210> 9909

<211> 385

<212> DNA

<213> Glycine max

<400> 9909

tccttttctc ttctttgaaa tccaattggg gccaaactatt tgacattgcc cttgggattg 60

ccagaggtct tgtttacttg catgaggaat gttgcaccca aatcatccat tgcgacataa 120

agccacaaaa tatacttttg gatgatcaat ataatgctag aatttcagat tttgggtag 180
 caaagctggtt attgatcaat caaagccgca ctgaaactgg aattagagga acaaaaggggt 240
 atgttgacc agattgggtt agaagtgcac caatcactgc taagggtgac acttatagtt 300
 ttggtgtggtt gttactagag atcatttggt gtagaaagaa ttagaaaaag gagcttggtta 360
 atgaagaaaa gggatattga ctgat 385

<210> 9910
 <211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9910

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 tatcgagacg cttgaaattg aaagctgaag ctctgagcca atacaaacga ccataacttt 120
 ttactccgat gtctgattga gtcccgtaac atatcgagac gctcgaaatc gaatgtagaa 180
 actgtgagcc aattcaaacg ataataactt ttttcacgga tgtctgattg agtcccgtaa 240
 catatcgaga ctctccaaat tgaatgtcga acctctgagc aaattcaaac gacaataact 300
 ttttactcgg atgtctgatt gagtccccga acatctcgag acgcttgaaa ttgaatgttg 360
 aatct 365

<210> 9911
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 9911

tcagctttca attttaagcg tgtcgatata ttactgttac tcaatcagac attggaataa 60
 aaatcaattg tcgtttgaat ttgctcagag cttctatatt caatttcgag cgtctcgata 120
 tattacggga cataatcgga catcggaata aaaagttatt gtaatttgaa ttgctcaga 180
 gcttctgttt tcaatttcga gcgtctcgat atattatggg actcaaccag acatccaagg 240
 gaaaagttat tatcatttga attggcttag ggcttgcgtt ttcaatttcg agcgtgtcga 300
 tatattatgg gacttaaccg gacatccaag taaaaattta ttatcgtttg aatttgctct 360
 gagcttcttt tttcaatttc gagcgtctcg aaatat 396

<210> 9912
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 9912

agctcttaac tgagattgca acgttccaat tgttttttta atggtgtaat cgattacaat 60
 atattggtaa tcaattacca gcgtatcatt gaaatgcaaa ttaaattgtg aagagtcaca 120
 tcttttcata aaatgctttg tgtaatcgat tacatggcta tggtaatcga ttatcactga 180
 caagttctga ataaaaagtc aagagatgta actcttcaaa tggttttctc aaagattttc 240
 tcacggatat aactcttcca atggttttct tgaccagata tgaaaagtct ataaaaagcaa 300
 gaccttgact tgcatttcaa taactctgtt agaacaactt ttagaatatc ttgaacaac 359

<210> 9913
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 9913

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 actatggcat catttctggc gctaaactgc tgggagttgg aggccatctt ctcaattaaa 120
 tttctggctt cagcaggagt catgtctgca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatgttggga gaagaagctg ttctgaaatc 240
 tgatggtgag ggcaactggc acatagtttc ttaaatoget ccagtgactc atacaggctc 300
 tctccactga gttgtctaatt acctgagata tctttcctga tggctgtggg cctggaa 357

<210> 9914
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9914

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 tagatagagg tgggtgaattc ttatcaaag aattcattac tttttgtgag gagcaaggga 120

taagaagaga attgattgct ccatatactc caaagaaaaa tggagtggcc gagaggaaaa 180
acagaattgt ggttgagatg gcaaggagta tgatcaaagc tagaggtgtg ccaaacagat 240
tctgggtatga agctgtagca actgcagtgt acattttcaa tgtttctcat accaaagctg 300
tcatgaacat gacaccactt gaagcttggga gaagaaagaa attgtctgta agtcatttga 360
gaatttttgg ttgtacaaca tatgcattag ttgatttatg gactaagttg gatgataaat 420
ctatcanatg tgtatttta 438

<210> 9915
<211> 417
<212> DNA
<213> Glycine max
<400> 9915

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ctatcagata ctatgctaca tggcacacca tgtaatatga caatctcact tatatacagg 120
gaggtcaact caacttctcc aaggaaaata tgatattaat gggaatgaag tgagcagact 180
tagtcattct atcaacaata acccagatag aatctaaacc tctacggtgt ctatgtagtc 240
ctaccacaca atccatggaa atactatccc acttccactg cgtatctcta gggttataac 300
atcctgaagg tcttgatggt gatctatact tctgacagac tacgcatgat agacaaaaca 360
ctaacctctt tctatgttgg ccaccaatca tcattttaaa tctgatectc ttgaaca 417

<210> 9916
<211> 377
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9916

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ttgctgatgg cttcttctcg ttgcaagctt caattggagt cttgtctttt acagacttag 120
ttggacatct gttgagtatg taaacaactg tgtagactgc ttcagctaag aatgtgttag 180
atagtctctt ctctttgagc atcgatctag ccattttcgt aactgtgcga ttctttctct 240
cggacactcc attttgttga ggagaatatg caactgtaag ttgccgctca atgccttcat 300
ccttacaaaa tctttcanac tcgcgagagg tgtactcttt gccgcgatta cttgttagta 360

cttttattcc gtttcca

377

<210> 9917

<211> 330

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9917

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ccaaatatca cgagcagttt ctttgttcaa cgatagtctc caagattgtg cgatcaatgg 120

cttggaagaa atagttcttg gctttaacat ctttgagttt gctatcatca gctgctttac 180

tttgctcggc agtggaattg gccggagcta ccacgattcc atcttcaata atgctccaat 240

actccttaga acgaaggaga ttctccatca acatggacca atgatcatc cgaccattca 300

aattgggaat agaggggttc agacaggatg 330

<210> 9918

<211> 334

<212> DNA

<213> Glycine max

<400> 9918

taataagagg catgctaagc gggtagagtt tttagattct ttttcatatg tcatcaaaca 60

taaaaagggg aaaggggaatg tagtggctga tgcactgtct aggagacatg ctttacttgc 120

tatgcttgaa actaaactgt ttggtctcga gtctttgaaa gacatgtatg tgcattgatg 180

ggactttgct gaaatTTTTG ctgcatgtga aaagttttct gaaaatgggt actataggca 240

taatggattc ttgttttagag caaataaatt gtgtgtgcct aagtgttcca ttagagagtt 300

gcttgtgagt gaatcacatg aggggggggg gggg 334

<210> 9919

<211> 388

<212> DNA

<213> Glycine max

<400> 9919

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actatggcat catttctggc gctaaactgc tgggagttgg aagccatctt ctcaattaa 120
 ttcttggtt cagcaggagt catgtctcca acggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctccgaaacc 240
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 tctccattga gttgtctaata acctgagata tctttcctga tggctgtggt cctggaagca 360
 tggaaaattt tttctaagaa tattctct 388

<210> 9920
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 9920

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 gacctttgcc cttccatgta gcaacctgga gcaattgagc agcctgaagc ttatgctgca 180
 aatatttaca atagacctcc tcaacctcag cagcaaaatc aaccacagca gaacaattat 240
 gacctttcca gcaacagata caacctgga tggaggaatc accctaacct cagatgggtcc 300
 agccctcagc aacaacagca gcctgtcct tccttccaaa atgctgctgg cccaagcaga 360
 ccatacatc ctccaccaat ccaacaacag caacaacccc agaaac 406

<210> 9921
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 9921

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 tgaccaagaa attcattcac agctatagca ttctgtccat acatcagtg tgaggaccag 240
 taacccca gaaaccattt gtgcacattc tctggcacat agaacaaaac tatcataata 300
 aaggttcatt acagtaacca actttgaagt tacatgtacc atttcttacc tcgggaaatc 360

acaaa

365

<210> 9922
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9922

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aggttcaaga aactttgggc ttcttccctc cacttgtaaa aagaataaaa acatatatat 120
tagtgttggt ggggtatgta gagtagggta aggtctgaaa atccctttcc tgagcatctt 180
cacatgaggg aacatgggtc ctcaccaact caatcagtg tgctgcaagt atagaaaaat 240
atgggacaaa ccttttgtaa aagtttgta agtcatggaa gccctaatt tcccttatac 300
ttggtggagt gggccactca aaaatgattt ttattctctt aggatccgtg gaaacccctt 360
gatcactatt taaaaaatta aggaaagtaa tgcaataaaa catacattnt tctgtatttt 420
catgtntatt actcct 436

<210> 9923
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9923

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tcttctattc tcagattgng gatgcctcta acagctcctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttgag 180
gatagacatg tggaggagta gctggtttct tgagggtgcc ataggtaaca gctgtccttt 240
gatctgctgc ccttcattag aacttcactt ttctcatttg tctaagca ttctgacttt 300
gtgaagttta cattgaatcc ttcacacac agctgactga tgctgatcaa gttagcagtc 360
agtccttca ccaacagtac t 381

<210> 9924
<211> 436
<212> DNA

<213> Glycine max

<400> 9924

gaccttaaat ctcagctttg cagctggaat attatcctat ctccgatgtt atgggtgggt 60
cccgctccagg tagtcccgaa gaagactggc ctcacagtga tcagaaatga gaaggaggag 120
ttgattccta ctcgagtgc gaacagttgg agagtctgca ttgactatag gaggtgaac 180
caggttacca aaaaggacca ttttccctg ccattcattg accagatgct tgaacgcctg 240
gcaggtaaat ccactactg tttccttgat ggtttttctg gttatatgca aattactatt 300
gctcctgagg atcaggaaaa gaccacattc acctgccctc tcggcacttt tgcttatagg 360
aggatgcctt tcggcctgtg caatgccctc ggtatcttcc agcagtgcac gattagtatt 420
ttcagtggat ttttag 436

<210> 9925

<211> 419

<212> DNA

<213> Glycine max

<400> 9925

tcaagaatta tggcctcatc aaactacttg tttccctggg aaattctata aatagacctc 60
ccgtctttaa tggagtgggt taccactact ggaaaaccgc catgcaaatac tttatagagg 120
caatagattt aaatatttgg gaagccatag aacaaggacc ttatgttccc tctataatag 180
ccggaagtgc aacaatagaa aaacctagag cagattggac tgaggaagaa agaagattag 240
cacaatataa tttaaaggcc aaaaatatta ttacatctgc cttaggaata gatgaatact 300
ttagggtttc aaattgtaaa agtgctaagg atatgtggga tacactacaa gtaacacatg 360
aaggcacaaa agatgttaat agatctagga taaacacttt aactcgtgaa tatgaactt 419

<210> 9926

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9926

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atggcatcat ttctggcgct aaactgctgg gagttggaag ccattcttctc aatcaagttt 120

ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc tatcatactt 180
ctctccatat tattgagtcc ttcattaaaa tattggagaa gaagctgctc cgaaatctga 240
tggtgagggc aactggcaca tagtttttta aatctctccc agtattcata taggctctct 300
ccactgagtt gtctaatacc tgagatatcc ttctgatgg ccgtggctct ggaagcangg 360
aaaatgtttt ctaagaatac tctct 385

<210> 9927
<211> 384
<212> DNA
<213> Glycine max

<400> 9927

agcttcctta agaagatcct aaagtagctt gagcttagct acacatacct ctctaatagc 60
taagctcacc tccttgagat gagaagctag agcttagcta cacacccta taatagctaa 120
gctcaccccc atgacaaaaa acatgaaaat acaaaaaaat gtccttacta caaagactac 180
tcaaaatgcc ccaaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag 240
gccagacga aggaaatacc tattctaata ttacaaaaga taagcgggct catacttagc 300
ccatgggctc gaaatctacc ctaaggctca tgagaacctt agggccttcc cttggatctc 360
tagccaatct acttgagtc ttct 384

<210> 9928
<211> 438
<212> DNA
<213> Glycine max

<400> 9928

cgagaatgga gaattgcact aagcaatcac tacgcattgc ttctaactcg aaggtggagg 60
acacatgaac gaaaacacaa ttcatggggc tccgaaaaag ggggttgagaa tggagaatta 120
cactaagcaa tcactacgca tagctccaaa ctggaaggtg gaggacacat gaaagataac 180
gcaattcatg gggctccgaa aagattgaga atggagaatt gcactacgca atcactacgc 240
atagctccaa acgcgaaggt ggaggacaca tgaatgaaaa cgcaattcat ggggctccga 300
aaagattgag aatggagaat tgcactaagc aatcactacg catagctcca aactcaaagg 360
tggaggacac atgaacataa cgcaattcat ggggctcccg aaagattgag aatggagagt 420

ggcactaagc aatcacta

438

<210> 9929

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9929

tccncataac ccttatagaa agtctcttca atgaaattaa ctgtatagta catgatcgnt 60

cactcattaa gcgagaagta caaaataaat cacattgatt ttttgttcaa aagtaccaag 120

taaaattttc ggcctttcct tgttctctgt ccttatctcg ggtataaggt tttattcaat 180

agagaaccct ttcttctgtg cctatacgaa ttgatattat tccattccaa tttctattgg 240

taactcacia gaaaaaactc aaattgacaa attagagcga gctcatccat gcagtcatgc 300

aatcaagca tcttcggcta taatggaaaa ctatctgcc gaagagccca ttacaaccaa 360

ttgagttaac aaccaaaaaa ataaaacttg agctaaaaac caataaaca atacactgca 420

agcagttacc gaaatcacc 439

<210> 9930

<211> 418

<212> DNA

<213> Glycine max

<400> 9930

aaactcagct atgaggtgct tgactcctag cctcgttgga agttttatat tcccagagctt 60

tcacttgggt gtcgttcttg gtgacaattg catcagggag gccatacctt catatgaggt 120

gttacgaggt aaacttcgcc acctcgttgg ctatgatttc tcatagtgggt cttacctcaa 180

tctacttgggt gaagtagttg atagcgacta gtaaatattt gattgctcct agggcttttg 240

gctatagtcc cattatgtcc attccacaca tggcaaagag ccaaggggag cttagactgt 300

ggagattgtc aggaaggggtg cgtggaatgc ttgtaaactc ttagcatcgt ctacatttct 360

ttgtgaaatc aaggggtgtcc atcctgagtg tcggccaata gtagctggca cacaccac 418

<210> 9931

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9931

tctaattgtct ctccaccaat gagaataggc ctttctttct ctattatatt gaaatttctga 60
ccagccacca tatttagagg ttaaaactct aacctatagc tgatgctgat cagatgcaaa 120
agcccataac catctacca acaaagctaa gttgaatttg gagatattct ttatccccag 180
tcccccatca gacttaggca aacaaatatt atcccatttc acccaaggga tttttttatg 240
atcaatgtct ccacccaca gaaaattcct ttgaagggat atcagcttat tgacaacctt 300
ttgaggtatt ttaaagaaag aaaggagata aattgggagg gcattgagga cagaatntat 360
cagagtaatc ttccccgcca tggatatatt tttctgagcc catntggcta atcttgattt 420
g 421

<210> 9932

<211> 384

<212> DNA

<213> Glycine max

<400> 9932

ggatcttaag caccgcggct gcagctgaag caactagatg cattgtttat ttgtaaccc 60
agttggcctt gaatcagaaa tctataacctg tcgcaagagt ctgtgggttta tgctcctctg 120
ctgaccacca tacagacctt tgcccttcca tgcagcaacc tggagcaatt aagcagccta 180
aagcttatgc tgcaaacatt tacaatagac ctctcaacc tcagcaacaa aatcaaccac 240
agcaaaacaa ttatgacctc tccagcaaca gatacaatcc tggatggagg aatcaccccta 300
atctcagatg gtctagccct caacaacaac aacagcagcc tgctcctttc ttttccaaat 360
gtgttgcccc aagcagacca taca 384

<210> 9933

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9933

ccggatcctt aagcacctgc ggctgcagct tgatgcaaca ttgnagaggt tattatcatc 60

gagatgatgc gctccatgag aggttggatc aaatggagaa tagagatcat aatgaagaag 120
aaaggaggag aagaggggaat gatggtgttc ctagacaaaa ccgaattgat ggtattaaac 180
tcaacattcc tccatttaaa ggaaagaatg atccggaggc ctacttggag tgggagatga 240
aaatagagca tgttttctca tgcaacaact atgaggagga ccaaaagggtg aagcttgccg 300
ccacggagtt ttccgactat gctcttgtgt ggtggaacaa gctacaaaag gagagagcaa 360
gaaatgaaga gccaatgggt gatacatgga cggagatgaa aaagatcatg aagaagcgggt 420
atgtgccggc taagtactca agggacttga aattcaag 458

<210> 9934
<211> 422
<212> DNA
<213> Glycine max

<400> 9934
tccctcatca tgaaattttc tttcttgaaa catatttggt gtatcaccat tccacaactt 60
tttcagatca tcaatcaaag gttgtaaata aacatcaata ccaattgttg gattaaatgg 120
gttaggtacg acacaactca caaacatata agtttttagtc atacatattt ctagaggaag 180
attgtatggg gtaacaatga ttggccaata agaataagggt gaagacgatg cttaaataata 240
tgggttaaata ccatttgtgc ataaaccaag tcgcacattt tgcgtatcaa tagaaaaatc 300
tggatgtacc cgttcaaagt gcttccagac ttcatagtta gagggatgac ttaacatgcc 360
tgaagatctt ctattctcat agtgctatgt catttgcgtt acagtttgca tgggtgcaaa 420
ta 422

<210> 9935
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9935

agcttctaag gttgataggg caattgtgct tggnttcttg gatgtccaag ataccagtga 60
ttntccaagg aattgacaag caccactgggt gccttttctt tctacttaac caccagcaaa 120
atcaatatca caatatccta caaaattaaa ctgagaccct tttcttatag gccatgatta 180
ctagttccaa tatgatctct taaaattctt ttaatttcag taacatgaca aatttttggg 240

caagattgaa atttttcaca aagacaaaca acaaacacaa tatctgtgtct actggcaatt 300
 aaatataata aggaaccaat catacctcta tacttatntt ttgaagtatc attacctttc 360
 tcacctcat caatgacat g 381

<210> 9936
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9936

taagctcctt caactgcaca aggctcttaa tatttgtgag tatccttatg gaaccttcac 60
 ccgatgaaga cactaacaaa aacttatctt ctcttttttg gacaaagtat gacaagttgg 120
 gggcaagtaa attttcttcc catcagacct tggatgcaac tgtgatcgta tccccatctc 180
 agctagatct tgacgagtat tcaagccgtc cttcatcttg tcttgaatgt taaggagcgt 240
 cccaatcaca ctgtcacata catttttctc cacatgcata gcatcaatac aatgtctaac 300
 gtctaaatca gaccaatagg gaagatcaaa gaaaatggac atcttcttcc atatgcaagt 360
 catactttta tccttctttt gggctcttcc aaatacagta ttaanggtgt gaaccactg 420
 gtatacct 428

<210> 9937
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 9937

tgtcgggttc agttataatt aagcgtcgc gttatcttat ggactgagcg aaaagggtca 60
 cgtcatcaaa tactacgcat cttttaaaagc acacagcgag gatcggaacc tcaaccctac 120
 gttcttttaa aagactgtga ggagaaaatc acagaggaca ggaatccctg ggggaaacca 180
 agaggaacac acaaaaataa gaacatgccg caacttctt aattgcccta gatcttaagc 240
 gtaatatcgc ttgacaacgt cggagttcac ggggaagggt agctcctcat catccatgtt 300
 ggcgagcact acggccctc cggagaaagc tctttttacg acgaaaggcc cttcatagtt 360
 cagggtccac tttccctat tgtctttgag ggcttgggag actatcttcg gcaccaagtc 420

accttcgctg aacctg

436

<210> 9938
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9938

agctgtcaca tggatgnccg anctttttct tattatatcg agacgctcga aatcgaacaa 60
cggaagctct cgataaattc gaatgggtcat aacatttcac tcggatgtcc gattcgggga 120
cataatatat cgagacactc gaaattgaac aacggaagct ctcatgatat tcgaatgctc 180
ataacatttc acacggatgt ccgattcggg gacataactc atctagactc tcgaaattga 240
acaacggatg ctctcgagaa attcgaatgg tcataagatt tcacacgaat gttcgattcg 300
gggacataat atatcgatac gctcgacatt gaacaaccga agctctctag aaattcgaat 360
ggtcataaca tttcac 376

<210> 9939
<211> 339
<212> DNA
<213> Glycine max

<400> 9939

agcttatacgt gacatctgaa ctgatgtat gtcatgtctc catgtgggggt tagctgaaac 60
atggatgcta ggggtggcaag cacattaccc atctgatttt cctctctagg aatgtggtgg 120
aaagagacct catcaagaac tcaatcagtt tcttgatgta ggctgatag ggtatcaact 180
tgtgatccct atgttcccat tctccctca gctggcgaat taccaaggct gagtctctgt 240
acactttaag caatttgaca ttaaagtc aa ttgccacttg gattccgagg gcacatgcct 300
catactcagc catattattc gtgcaatcga agcccaatc 339

<210> 9940
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9940

tctagaagtt ggaatcttca ttttgatgaa attatattat attttggatt cataaagaac 60
gaagatgaac cttgtgtcta caagaagggt agggggagta ggggtgttca tgggtgtggtt 120
tggttcgggt tttaggcaaa aagtcattcca aaccaacat aaaataaaga tgtgttttgg 180
tttggctcag tttaaatata acatcaaatac taaacaaaac caaaccaatac atatttcagt 240
tttgogggtt ttttattttt gtaatctatt atcctaattt aaatctgtca actaaactta 300
cataattatt atatatgcta tataatttta aaaatgaaat ttatttttat taaattttgt 360
ttaaatggtt ttaactaaaa attatcttca cttctattta gcattgatan taaaataatt 420
taccaactct ttntgtaaca t 441

<210> 9941
<211> 422
<212> DNA
<213> Glycine max

<400> 9941

tgatgccaaa tggcccatgc tttacagcat caacattgct ttattgtgag cagaactctt 60
cctcagcttc tgaagccttt gtagtcttat ttatttctga gtttgaacac cactctcctt 120
ggaccaaccc attagatgat cggttaagaa tcaaatacctc aattttctcc agaaccacat 180
caccttcgcc aaatggggcg gcaaatgcgg ctccagtttc cagcattgta tcatagtgtg 240
acatatcaag caattgggat tcagatggat cagtgtccca gaggataagc cacattgctg 300
aagaacatta gtagttttct tggtaaattg tcccatcctc taacacatta ctccataaag 360
gatcttgtaa gaatcatcca gggatgaacct aataaatgaa agacaagaga aactaataac 420
ta 422

<210> 9942
<211> 435
<212> DNA
<213> Glycine max

<400> 9942

ttttattgta atcttgaaat tcaggacaac actctgattt ttgaaatttt cgggataaaa 60
atggtcattg accagtcctt tttccatgac ttaaccaaatac tacctagtga cggtgtacca 120
tttgaaggta cactgaatga cgactggaaa tttgatttct ctgcccatga tgcccgcag 180

ttggtttgca ccaacaatgc ggatatgacc ggacgtcttc ttgccgggtc attggctttt 240
gaaagccgca tccttacta ttttaattgtg cgtattttgc ttccacgggc ttccaacctt 300
gcccagggtt ctgaggaaga tctaattatc atgtgggcct ttcatacagg gcgtcaactt 360
gactgggcac acttagtcag atatgcatg cataaggcat tgtgattaca tgctccacta 420
ccatatccac agctt 435

<210> 9943
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9943

agctntatct ttttaagatct ttatgtgcga ttntcatgaa aatgatagat ctcatccagc 60
gcaagttgct gcagcccaga tacgcacact gctatataaa catgaaggct gcacgagttc 120
tgtaccaagt ccgggattga agagttatct tgtgagtttt gggacttgag tgttttgtga 180
gccaccttga tgtcacccta acatcaagtg ttggacctga gtgtgtagag ttgatctcta 240
ttgttcagag agcaatctct ggtgtgtatt tgatttaact gtaaacacgg gagagtgatt 300
gatagggagt gagaggggtt ctcatatcta agagtggctc ttaggtagag gttgcacggg 360
tagtggtag gtgagaagggt tgtaaacagt ggcttgtaga tcttctaact aacactatct 420
tagtg 425

<210> 9944
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 9944

agcttctata gaagggtcgt tcctatttnc tctacaattg catcacctct caatgagttg 60
gtgaagaaga atgtggcatt tacctgnggt gaaaaacaag agcaagcccc tgctttgctt 120
aaagaaaagc ttactaaggc acctattcta gctcttcctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctag agtgggagtt ggagctatat tgttacaagg tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccactctca actacccac ttatgataaa 300

gagctntatg ccttaataag agccctccaa acttggaac attaccttgt ttccattgga 360
attgtcattc atagtgatca tcaatcactt aagtacatta 400

<210> 9945
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9945

agcttcagat tcggatccat aggactatct ttatgtctac aatnctgcat gcctgtctcc 60
tccaaaatgt cgagggcgta cttcctttga gagatcacia taccatctcc tgactgagcc 120
acctcaatac caaggaagta cttcaaatac cctaagtctt tgggtctggaa atgactaaat 180
aagtgtctct ttagctgaat aatcttagaa gcattcattcc ctgtaatcac tatatcatca 240
acatatata tcaagtaaac acattttcca ggggatgaat gacaataaat aacagaatga 300
tcagcctcac tacgtttcaa cccaaaaagt tgaacaatat gact 344

<210> 9946
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 9946

agcttcaaga aaaatggctc tagtttactc tttattttcca gaaggaaatt ctatcaatag 60
acctccaatc tttaatggag aggggttacca ctactggaaa acccgaatgc aaatttttat 120
tgaggcaata gacttaagta tttgggaagc catagaaata gggccatata taccaccac 180
agtagaaaga attacaatag atggtagcac atcaagtga agcataacaa tagaaaaacc 240
tagagataga tgggtctgaag aggatagaag acgagtacaa tacaatctat aagccaaaaa 300
cataataaca tctgccctgn gaatggatga atatttcang gtttcaaatt gtaagagtgc 360
taatgaaatg tgggacactc tancantaac acatgaagga actacacatg ttaaaagatc 420
tangataaac aca 433

<210> 9947
<211> 401
<212> DNA

<213> Glycine max

<400> 9947

agctcgcaat catttggtat aaaaatcacc ttgtcttggtg gctctacaca agggtgactg 60
caaccttcta aaatagtatc tccttcatcc tattaataatc aaaatgacaa tggttaaagtc 120
tattcgtaaa aagatccctc caaccaaaac aagggataaa cagagaagga aggtaaatgc 180
tagaagaaaa gaatgtagta attgtgaaaa caacaaatta agtaccaatg aagtgatgtc 240
atgccttggtg tagggagtag gacaactaga agccaaatca acaaactctca actatagatt 300
cctatccatg tacattctct ataaaacatt catgggttagt gtgggttctac taaattgtgc 360
atgacaagag tatattcatt agacatctaa atggaagtta t 401

<210> 9948

<211> 338

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9948

tccgttgctc aattacaagc gtctcganat attttgttct tgaataggac ctccgagggg 60
caaggatatga ccatgngaatt ttctcgagag ctcccgatgt tcaattgcga gcgtctccat 120
atattatgcg ctagtatcgg acctccgagt gaaaagttag gaccatttga attgctgaag 180
aacttccatt gtacagttcg agcgacacga tattttacgc gatcgaaacg gacctctgtg 240
tgacaagata tgaccatttg aatatctcga gagcttccgt ggttcaattt cgagcgggctc 300
gatactttat gcggctgaat ctgaccttcg agttaaaa 338

<210> 9949

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9949

agcttgtaat tgagcaacgg aagctttcga gtantattta aattgtcatc acttttcact 60
cggaagtccg attcatgcgc atcacatata gagacgctcg aaattgaaca acggaagctc 120
tcgagaaatt caaatgggtc taacttgtca ctccggaggtc cgattcaagc gcataatata 180

tcgagacgct tgtaattgag caacagacgc tttctagaaa ttcacagggga catcgctttt 240
 cactcggatg tccgattcag ggcgcatcaca tatagagaca ctcgaaattg aacagcggaa 300
 gctctcgaga tattcaaagtg gtcataac 328

<210> 9950
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9950

tgttagtgtg tgtttaaatg tctaataata aaganatttt atgtaataat gtttctttga 60
 agaaaatttt atcagtgaat ataaaatatt ttgaatatga atttttagt attttttta 120
 ttagattagg ttggtgttaa tgatttatta gtgtgttaat aattcatgaa cgtttcaact 180
 ttcatttaaa aaaattagta gatcatattt atttgaagaa agtattttga gtatgaaatt 240
 tattttaata tgaagttgta gtattttttt aattagatta ggttcatttt tttgtgttaa 300
 aaattgataa gcgttcaagt tgaagtggt atttgatgat gttttgttgt ttcttgatc 360
 atatttaatt taatatattt gtagtaattt tgtaattacc tatntttcat ttgaagttat 420
 ta 422

<210> 9951
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9951

agcttcaaga aaaagatggc ctacagaaat ttcttatttc cagaagggaa ttctatcaat 60
 agacctccaa tctttaatgg agagggttac cactactgga aaaccggaat gcaaattttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gaatttcaat agatggtagt tcatcaagta aaagcataac catagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtag aatacaacct anaagccaaa 300
 aacataataa catctgcctt aggaatggat gaatatatta gagtttcaaa ttgtaagagt 360
 gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgtaaaaaga 420

tctaggataa atgcactaac tcatgagtat tgaata

456

<210> 9952

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9952

tgataggtaa ggactctatt tgtgactcaa aattatttct agttcaaact agcttttgta 60
tcttatacag cattttgtca tccaactgaa tgcttattat taagcagga tttgatgaat 120
ccaatattgg agaaagggca taacagagtt cctgtctatt atgagcagcc tacaatatt 180
attggacttg ttctggtatg taattatgca tacaatcact tatttttctt tattccttca 240
gtattgaaca atcattatct gctatgtgaa aacttataaa aaccacaaac agtatgagac 300
tattttcttt aagcttcaac ctgttaactt gctttccatc aagatgattn gcacaagtta 360
attatttttg tctgttcgac caaaactatg ttgctaggtt ctgataaacc ctaagttaat 420
attaattaat aattt 435

<210> 9953

<211> 473

<212> DNA

<213> Glycine max

<400> 9953

tgacgtaagc tccattggag cttgtaggcc taggatcttc ttcatttatg gattcctttg 60
cttcttgga gatgaatggc agcggaatgg agaaggaaga gagagaggag acgccacttc 120
aaggagaaga tgagtctaga agaagctcac ccccatagga ggccatggat aagagcttgg 180
aggaagaagg agatgaatga agggagaggg agagaaaagc atgaaatttt gtgctctaag 240
agagctctga aatctgaagt ttaattttca aatgatcaaa gttcaaaaaa tgcacacata 300
tggcctctat ttatagccta agtgtcacac aaaattggag ggagatttga atttctattc 360
aaatttcact taaatttgaa attgaatttg tggagccaaa ttttgagacc aaaattcact 420
aatataatta aggaatttta actatgggtc agcccactaa ttcaagatca agt 473

<210> 9954

<211> 517

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 9954

tgacaattga gtggtatttt gtttcacata acagggagaa tgagcagcta tccaagtatg 60
 gtgacaccaa aactgctcga agcattatgt tgatagaact gaaaaaactc atagaggcaa 120
 atcctctttt ccgtgataag cttatcttcc ctacccttaa gtcacatcaaga ctgcgaactt 180
 tgatcaatca aaggatgtg tgattaatct ctaccaactt tatctatcta ttttgccatg 240
 ctcttttcatt cacatagttg ggctctgctt tttgacccat atgtcgttat gggaaaaatg 300
 aaaagtaaat catgttgatt tctggacatg tagtataatnt catatcttctg cagtggtaaa 360
 tgataagaat ttggaagggt ttctggctct tttttaattc attcttgtaa atttgaattt 420
 tttagcgtgct gtgccttgcc tatttttttaa tcagtgaatt tatctatgcc ccttaatcat 480
 gcagtctaaa ctggcagcat cagctctgca aaaaccc 517

<210> 9955
 <211> 450
 <212> DNA
 <213> Glycine max
 <400> 9955

taacccatgg aagctcctaa tatctccac tctttttgtg gtgggccatt cttggatggc 60
 cttgattttc tcaaggcca cttggacccc attttacca actacaaaac ctaagaaaac 120
 tatattatct acacaaaagg tacacttctc tatatttgca tagaagggtg ttttcctaag 180
 gactgaaaga acttgtctga gatgtcctaa gtgatcatct agcctcctac tatacactaa 240
 aatatcatca aaataaacia ctacaaatct acctatgaaa tcccttaaga catgatgcat 300
 aagcctcatt aagggtgctg gtgcattagt gagcccaaaa ggcatcacta gccattcata 360
 caaaccaaac ttggtcttga aagcaattat ccaactcatca ccctttttca tcctgatttg 420
 gggataccac ttttaaaaac aaattttgaa 450

<210> 9956
 <211> 482
 <212> DNA
 <213> Glycine max

<400> 9956

tatagaatat ataataaaag aactatgact attgaagaat ctattcatgt ttcctttgat 60

gagtctaata ctatttctcc aagaaaggat attttagatg atgttacaga atcttttagaa 120

caaatgcaca ttcattggaca agattctaaa ggaagaagtc aaatcaaata atgaacttcc 180

aaaagaatgg aaagcttcaa aagatcatcc ccttgacaac attattggtg atatctcaaa 240

aggggtaaca actagacatt ctcttaaata tttatgcaat aatatggctt ttgtgtctat 300

gattgaacct aaaaatataa atgaagccat aatagatgat cattggatag tagctatgca 360

agaagaacta aatcagtttg aaagaaacaa tgtgtgggaa ttagtaaaga aacctgaaaa 420

ctaccctatc ataggaacaa aataggtatt taggaataag ttagatgaac atggcataat 480

ca 482

<210> 9957

<211> 530

<212> DNA

<213> Glycine max

<400> 9957

agcttggagg atcaatatac aggatcatct tccttgtatt taagcaaata attttttaac 60

taaagatctt tgaatgttgt tagaaattat cactatgagt gtaagttttt ggtacctatc 120

aattcattag tcttcaagtt agaaatttat tgatttccac cccttgcaaa ctcaacattt 180

gttataaaaa gttttaaatt tagagagaaa gcgtttgttt ttatttatta ttaaatttgc 240

ttcacaaccc tttgcaaact cagtaggttg caaaccaaaa tgcagtgata tagtgccatc 300

caacaacaac aacattccgt aaagttcaaa aagctaggca caaccgttca actttcaaac 360

tcaaaaccac aacatgaaca gaaaaacgtg aaacataaca aaatgggttg cactaatagt 420

aggaagcaac taagaaaata gtaaaactaa aagtgtttta ttaagccaac ttgaagttga 480

gcacactaag atgagaaaaga aacttgagcc agcaccacac tcaaccccca 530

<210> 9958

<211> 436

<212> DNA

<213> Glycine max

<400> 9958

gcaagctgga gccaatcca agtcactagg ttgtcttgag ccatccccga caacagttcc 60
 tgagccataa ggggaccac ctttgacctt ctccatctca tacatgccat ctccaaatgt 120
 gtaccaacc ggaacaaaaa tcattccatg gtgaacaagc tgagtgcag aggtcaacgg 180
 ggtctcttct tgtccacctc cttgagaact agtgcttagag aagaaccctg cagggttttcc 240
 tgctagtgcc tgtgtatgcc acagccctat agtgccttct aaaaatgctt tgaattgaga 300
 agccatgggt ccaaagtgtg ttggaaaacc gaacagaaag ccatcggcac cggcaagctc 360
 acgggggtta ataatatgaa catcatcact ctttgagggt gctcccttct tcacaaggac 420
 ttcttcagac agtggt 436

<210> 9959
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 9959
 tgcgaccatt tgaataactc aagagcttcc attgttcaat ttgatcttc tcgatataatt 60
 atgcgcccta atcggaacctc cgagtgaata gctatgacca ttgaataac tcaagagctt 120
 ccattgttca atttctagcg tctcgatata ttatggcctt gaatctgacc tccgtgtgaa 180
 aagttatgac cacttgaata tctcgagagc ttcccttggg gaattctagc gtctcgatat 240
 cttatgcgcc tgaatccgac cttcggagga aatgtttg 278

<210> 9960
 <211> 479
 <212> DNA
 <213> Glycine max

<400> 9960
 agctttgatg caacatttgg agaggtttat gatacaacga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
 tgggtgttct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggaggcct acttgagtg ggagatgaaa atagagcatt tttctcatgc 240
 aacaactatg aggaggacca aaaggtgaag cgtgccgcca tggagttttc cgactatgct 300
 cttgtgtggg ggaacaagct acaaaaggag agagcaagaa atgaagagct ggttgataga 360

tggacggaga tgaaaaagat catgaggaag cgatatgtgc cggctagtta ctcaagggac 420
 ttgaaattcc agctccaaaa acttacccca agcaacaagg gggttgaaga gtatttcaa 479

<210> 9961
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9961

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 gcagaggagc acaaaccaca aacccttgcg acaggtacaa atttctgatt caaggccagc 120
 tgggttacca agttaaccaa tgcattccagt tttccttcaa gcttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
 ctaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300
 atgtctccaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
 ccttcataaa aatattggag aagaagctgt tctgaaatct gatgggtgggg gcaactggca 420
 catagtttct taaatctctc ccagtactca tacaggctct ctccactgag ttgtctaata 480
 cctaagatac ccttntgat ggttggtggtc ctagaagcat ggaaaaaatt ctctaagaat 540
 actc 544

<210> 9962
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 9962

agcttgtgta gcggtaatc taactgttaa aagattttcg cacctgttac ctagatgtcg 60
 gtgcagcttg ataatagttt cctcctcttc cttggtgtaa tttcctcttt tgaggtttgg 120
 ccttaggtaa ttcagccacc ttaatctgca actctttcca catctcgcaa gacctgacaa 180
 attaataaca acaacaaca caaagtaaaa ccaattacaa tggattcata tatgatttag 240
 gtataatctg tgcattgtga taattaaaca ttgaatatat ggttcctaca tattgatgta 300
 gaagttaaac caaaccttga aaacagagaa gaagaaaaat tgaaagccac attggcgact 360
 atattgatgg tacatgctct cacatacttt atttgtttc tgaccaaact a 411

<210> 9963
 <211> 462
 <212> DNA
 <213> Glycine max

<400> 9963

cgttctatag aagggttcgtt cctaatttct ctacaattgc attacctctc aatgagctgg 60
 tgaagaagaa tgtggcattt acctgggggtg aaaaacaaga gcaagccttt gctttgctca 120
 aagaaaagct tactaaggca cctattctag ctcttctga cttttctaaa acttttgagc 180
 tagaatgtga tgcctctaga gtgggagttg gagttgtatt gttacaaggt gggcacccta 240
 ttgcttattc tagtgaaaaa cttcatagtg ccacccttaa cagggggggtt catagaacta 300
 ccaagaagtc cctttttgag gttgtctatg ggttcaatcc ctaacaccgt tagacctcat 360
 tccccctccc ctagacactt cttttataca ttaagaaggg ggattctatg gtcaaagttt 420
 gtaaagaaag ttggcatgag aggggttaat aaccaattt ga 462

<210> 9964
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 9964

agcttcaaca tcagaccact tcctttgttc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggttgat gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
 agttgagtct aagacttcaa agagaaaagg actgtgtcat caatagaatc aggagtgacc 240
 atggcagaga gtttgaaaac agcaggttca ctgaattctg cacatctgaa ggcactcactc 300
 atgagttctc tgcagccatt acaccacaac agaattggcat agttgaaagg aaaaatagga 360
 ctttgcaaga cgct 374

<210> 9965
 <211> 529
 <212> DNA
 <213> Glycine max

<400> 9965

gaatcggaca tccgtgtgaa aagttatgag catttgaatt attttttagc ttccattgtt 60
 caatttcgag catctcgata tattataagc ctgaatcgga cattcgtgtg aaaagttatg 120
 accatttgaa tttctcaaga gtttccgttg ttcaatttcg agcctctcga catattatgc 180
 gcttgaatcg gatatccgtg tgaaaagtta tgaccatttg aatatctcga cagcttctga 240
 tgtttaattc gagcggatca atatattata agcctgaatc gaaccttagt gtgaaaaggt 300
 atgaccattt taatttcccg agaactttcg gttttcattt tcgagcgtct ctatatgtga 360
 tgctccttaa tataacatcc gtgtgaaaag atatgaccat ttgaatttct caagagcctc 420
 cgggtgttcaa tttgagcctc tcgatatgtg attggccgaa tcggacatcc ccgtgaaaag 480
 gtaatacctt ttaattttta ataaatttcc ttgttaaatt tttagcttc 529

<210> 9966
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 9966

accttcaacc tagaggagac ggaccatttt tgtgttggag aagatcaacg acaatgccta 60
 caagattgac ttgcctagtg agtataatgt aagtgccact ttcaatgtgt ctgatctatc 120
 tctttttgat gcagatggag gagccttggg tttgaggaca aatccttttc aagaaggagg 180
 gagtgatgag gacataacca agggcaagga ccatgaagca cttgaaggtc ccatgaccag 240
 aggcagactt aaacaagccc aacacgtcat agagacaagg ctggtcattt gtatagctgc 300
 cattgatgat gattgaaggc ccaagtggag aaagatg 337

<210> 9967
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9967

ttgcagtcta tataaagctt caagatgtga tgtagctcct tgtttatctt gtaggcctcg 60
 gatcttcttc atcaatggag tcctttgctt cttgaagatt aatggcagtg gaatggagat 120
 ggaagaatga tgattggaga tgccacttca aggagaagat tagtcaagaa gaagctcacc 180

accataggaa gccattgata agagcttgaa agtaagagaa aaggagtgga gggaaagggg 240
gagaaggagc acgaaatttt atgcgtaaaa agtagtctga actttgaagt ttaattctca 300
aatgatcaaa gttganaaaaa tgcacacaca tgaccactat ttatagccta agtgtcacac 360
anaattcgag ggaaatttga atttctattc aaattttact tgagtttgaa attgaatttg 420
tgcaccaaatt tttggaacca aatttcacta ttatgattag taaattttag c 471

<210> 9968
<211> 555
<212> DNA
<213> Glycine max

<400> 9968

tttatccatg gcttcctatg gtggtgagct ttttcttgac tcaacttctt cttgaagtgg 60
cgtctccaat catctttctt ccttctccat tccgctttca ttcattctga aaaagcaaag 120
gactccattg atgaagaaga tcctagttct acaagctcca catggagcta catcacttag 180
taacgtaaca taaagcgtaa aatcattcag ttcattttct aagattactt tccaattctca 240
ctgaaaatcc aatttcattga cactagtgat aaaatagaat caagcattat gagtataatg 300
aaattaccaa aaatgagtaa aacagattca tacatatata atacccaaag ggatccatat 360
gggtacaaaag attacattca atcctttaga aaaactaacc gatcattgag tagagcacia 420
gactaacaag agaaatggcg aataaagtga tccataatca caactctgca gtgcctcggc 480
tgcaactatta cttttctctt tctttgcatt tttctctgga atttcttcaa ctcgattctc 540
ttttccttaa caatg 555

<210> 9969
<211> 349
<212> DNA
<213> Glycine max

<400> 9969

agcttctctc tcagctgctc aaatgcctct ctacaaagtt ggtcaagcaa aaaattttcg 60
tccttctgaa gaagcttgga caatgctagg agaactctggc taaaatccta gatgaatctc 120
ttgtaaaaac atgcatgtcc aagaaaagaa catacttctt gcacaaacat ggggtaagga 180
aaagaaataa taacatcgat cttcgcctta tcgacctcaa tacctatact agagacgaaa 240

tgccctaaga ctataccttc atggaccata aatgacatt tttctaagtt aagaacaagg 300
ttagttctcaa tgcattcgatc aaaaactcta gagaggctac ccaaacatg 349

<210> 9970
<211> 344
<212> DNA
<213> Glycine max

<400> 9970

tcatgagaga gtcaaagatc aaattgagag gaaaaatatt ttctatgcta aacaagccaa 60
caaagggaga aagaagggttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
agaaagggttt ccggaacaaa ggaaatcaaa gtttcaacca aggggagatg gaccatttca 180
agtgtttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
tagttccacc ttcaatgtct ctgatttatt tttttttgat gcagatggag aatccgattt 300
gaggacaaat cctttctcaag agggagagaa tgatgaggac atga 344

<210> 9971
<211> 472
<212> DNA
<213> Glycine max

<400> 9971

ccttatgctg caaacatcta taatagacct cctcaatctc atctgcaaaa tcagccacaa 60
caaaacaatt atgacctctc cagcaacagg tacaagccca ggtggaggaa tcatcccaac 120
cttaatgggtc gaatccttca caacagcagc aacaacaaca acaaccttat tttcaaaatg 180
ctgctggccc aagcagacct tacgttctct caccaatcca gcaacaacaa caacaacaac 240
aacaacccta gaaacaacaa acagttgagg ctcccttcgca accttccctt gaagaacttg 300
tgaggcaaat gactatgcaa aacatacagt ttcaacaaga gaccagagcc ttcattcaga 360
gcttaactaa tcagatgaga caattggcta cacaattaa tctacaatag tcccagaatt 420
ctgacagatt accttctcaa tctgtccaga atccaaaaaa gtgagggcat ta 472

<210> 9972
<211> 445
<212> DNA
<213> Glycine max

<400> 9972

tccattgttc aatttcgagt gtctcgatat attatgcgtt tgaatcggac ctccgaatga 60
aaagttatga ccatttgaat ttctcgagag ctacctttgt tcaatttcgt gcgtctcgat 120
atattatgcg cctgaatcgg acctccgagt gaaaagttat gaccatttga atttctcgag 180
agcttccgat gttcaatttc gagcgtcttg atatactatg cgactgaatc taacctccgt 240
gtgaaaagtt atgaccattt gaattttctca agagcttccg ttgttcaatt ttgagcgtct 300
ctatctgtta tgcgcctgaa tcagacctcc gagttaaaag ttatgaccat ttgattttct 360
tgagagcttc cgttgttcaa ttttgagcgt ctgatataa tatgcgctg aatctgacct 420
ccgagttaaa aggtatgacc cattg 445

<210> 9973

<211> 291

<212> DNA

<213> Glycine max

<400> 9973

agcttctata gaagggtcgt tcttaatttc tctacaattg catcacctct caatgagctg 60
gtgaagaaga atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
aaagaaaagc ttactaaggc acctgttcta gctcttcttg acttttctaa aacttttgag 180
ctaaaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaaag tgggcaccct 240
attgcttatt ttagtgaaaa acttcatagt gccacctca actacccac c 291

<210> 9974

<211> 555

<212> DNA

<213> Glycine max

<400> 9974

ttatagcaga tgccactcta ctccaaattc ttgaaggata tgtttttatg gaaacataag 60
tacattcacc aggaaaacat tatagtggaa agaaattgta gcactgtgat tcaaaagatc 120
cttccgcta agcataaaga cctgtgagt gtaactattc cttgttcaat tagagaagtc 180
actgtgggaa atactcttat tgacttagga gccagtataa atttaatgcc actctccatg 240
tgtagaaggt tgggagagct ggagatcatg cccactaaaa tgactttaca attggctgat 300

cgctccatta ccagaccata tggagtaatt gaagatgtgc tggtcagagt gaaacatttt 360
atcttcctgg cagactttgt ggtaattgat atctgtgaag atactgacat tcttgaata 420
ttgggaaggc cattcatgtt aactgcaagc tgcatagttg acatgggtag aaagagaaat 480
gggttttgag gatcagaaaa ttgattttga tttgtttgtt gaaagcagcc cgcttcagaa 540
caaaatgttt gctta 555

<210> 9975
<211> 394
<212> DNA
<213> Glycine max
<400> 9975

gctatcaatc tttgagcagg agaacttcca atgcataatt ggatgcatca cacattagct 60
caaaagggga tgtccaatca ggtgcctgaa taataagggg ggtagtcacc gcacgcttga 120
ggcaatcaaa agcctctttg catcggtcat caaaataaaa ctccaagtcc ttttgcagca 180
gattggatag tggaagggcc actttgctaa aatccttgat aaagcgcta taaaaccctg 240
catgaccaag aaaagaacga acctctcgaa cgcaagaggg gtaaggcaat tgtgaaataa 300
catttatttt tgcaggggtct acctctatgc ccctactgga aatgatatgc ccctaaacta 360
taccttgttc taccatgaag tgacattttt taaa 394

<210> 9976
<211> 251
<212> DNA
<213> Glycine max
<400> 9976

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgggtctac tttatcagag aaaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc atgagtgacc 240
atggcagaga g 251

<210> 9977
<211> 187
<212> DNA

<213> Glycine max

<400> 9977

tctggtggga catcttgact tgctttccaa tctgacattc accttttatt ctgccctctt 60
ctattttcag attgggaatg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
ttaagtgcaa atgtccaaat ctttgatgcc atattctgac ttcattctct ttggaggata 180
gacatgt 187

<210> 9978

<211> 347

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 9978

agctggggcca ctggagaaaa ggtatcanat ttatattgat tcctttggga agttccatat 60
aaacttcttc aaacaaatct ctattcaaaa aagcattatt aacatctaatt tggagaagac 120
actagtttct agcagcaaca acacagagca aaactctcac agtggttaagc ttggccattg 180
gagaaaatgt atcagagaaa ttgattccag cttattgagt ataccctttg gcaaccaatc 240
gagctttgta tctatccaca aagccatcca ttttatattt aaccttatac acccatctac 300
aaccataca atgcttatca ggtggttaagg gaacaagtgt ctagggg 347

<210> 9979

<211> 371

<212> DNA

<213> Glycine max

<400> 9979

agcttctcct ctagaaagtt ccaaattctt ccaccaggtc caccactctc ccataatca 60
gcaacctcca ccatggcacc atctcaagcg cccctccat tgcaccttca gagccctctc 120
cgacaagtac gacgacgtca tctccctatg gttcggtcc cgctcgtcg tegtctctc 180
ccaaacacta ctccaagaat gtttcaccaa aaacgacgtc gtctcacca accaccccca 240
ctttctctct ggaaacaca tatcttctac actatggtga gtactaacgc gttaagggga 300
ggaagattga tgggtggcaca agagaacgag gaggaaaagg tggaggcttc taagtatcag 360
cgcgaaaaac c 371

<210> 9980
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 9980

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 aagttattgt cgtttgaatt tatcagagct tcagtatgca atattgagcg tctcgatata 120
 ttacggcact caatcgaaca ttcaattaaa aaggtattgt gcgttggatt tgatcagagc 180
 ttcaacattc aatttcgagg gtttcgatat attacgggga ctctatccaa cacttccgta 240
 aaaaagttat ggtcgtttga atttgctccg ggcttcaaca ttcaattttg agcgtttcga 300
 tatatgacgg gattcaatcg gacatctgag taaaaagtta ttggcgtttg aatttgctca 360
 gagcttcggc attcaagtcc gagcctctcg atatattacg ggactcaatc agaccaccga 420
 gtaaaaagtt attgtcgttt ga 442

<210> 9981
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 9981

ttttactcgg atgtctgatt gagtcccgtat atatatcgag acgctcgaac tggaataaccg 60
 aagctctgag caaattcaaa cgacaataac tttttactct gatgtctgat tcagtcccgt 120
 aatatatcga aacgctcgat attgaaagtt gaagctgtga gcaacttcaa actacaataa 180
 ctttttactc ggatgtctga ttgagtccca taatatatcg aaacgctcaa tattgaatgt 240
 tgaagctttg agcaacttca aacaacaata actttttact cggat 285

<210> 9982
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 9982

ttacatccca tattgtgata aaatcttttg tttttttgt tatgttgagg ttatgaaatg 60
 atgattcaaa ctatgagtat gtgataaatt gaacatgtga cggatgatga aatacatgtg 120

tattgagatg agatgtgtgt attgagttgt gaactatgaa ctgtgcaatc acacaattgt 180
aagacccttt aaggacgacg agtattgtga tgggatccac tgtgggaacc cgacgagtta 240
aaatgatttt gaaagcaatt gagtaaattgt gtgtattgca tagttcatag ataaagtgt 300
tatgattcat gaggtgtgat aacatgttaa attgagatta taccattgtg attgggatta 360
agtgtatgtg ataaattgag tatgtatatg attgatatat atatatatgt gcattgaaat 420
gttgtgtgca ttgaattgtg aacctataat ttgttaatta cacgatcata agt 473

<210> 9983
<211> 377
<212> DNA
<213> Glycine max

<400> 9983

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tggtgctcta cccttataca aaggatgaact agctcatata ggtctctata tggaaggagt 120
tcaaccatgt ctcttacttc catatttaaa ccacttagga acctagcaat gcttggctct 180
tccttcccc tatgtctagc tctcaaaaag agtaattcca tttgttgtct atattcttcc 240
acactcatac tcctttatct aagcctttgg agcttgtcca taagctccct ttcatagtaa 300
gagagaatgt gcctttttct aagggcactc ttaagattat tccaatacta tattggagga 360
tccccatgaa tccttct 377

<210> 9984
<211> 320
<212> DNA
<213> Glycine max

<400> 9984

agcttcagta agagatctga aacattgata gaattctcta taatgtcaat gcaggatcct 60
atagattttc ccattgataa ggctcagca acctccctc gagctgcttc atgcctccac 120
aagaccaaga ccgtgttttag caaaggccat ctaacatgag aatctgcctt cttctgtgtg 180
aagcctagc ccttgagcaa taaatccaac tgtctacaat taagaaaatc acaattagta 240
atggcaatgc catgtgagct ttccaaatgt tttcactaag taagtaagta aaaagttgca 300
taaacccttc ttatgtcatc 320

<210> 9985
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 9985

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 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tgttggccac aaaattcgaa aatctgaaga tgaaggagga 180
 agaatgcatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagaag atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
 atttgacatg aaagtcact 319

<210> 9986
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 9986

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 ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa attttcatcg 120
 aggcaataga tctaaatata tgggaagcca tagaaatagg gccttatata cccaccacag 180
 tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaaccta 240
 gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300
 taataacatc tgccctagga atggatgagt atttcagggt ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatggt aaaagatcta 420
 ggataaatgc actaactcat gagtatgaat tatntanaat gaatgcnaat ganaatattc 480
 agagtatgca aaagagattt acacatatag taaatcatct ag 522

<210> 9987
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 9987

gtttttaagt tcttctcat tactgtcta agcaaagttc ccaaagtcct attaacaact 60
ttcgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt agtgcccaac 120
ttgctccaca aagtcctcca aaaatgactt atgaacttag agtccctatc actaacaatg 180
ctccttggca aaccatggaa tctcacaatc tccttgaaaa acaaatcagc caaatgggaa 240
gcatcatcaa cttttttaca tggaataaaa tgagccattt tagaaaacct atcaacaacc 300
acaaaaatgg aatctctacc attgcttggt tttggcagcc ccaaaacaaa atccatggat 360
aatcaatcc aaggatactc ccgaattggc aatggagtat acaatccatg 410

<210> 9988

<211> 217

<212> DNA

<213> Glycine max

<400> 9988

agctttcaca tggatgtgcg attcgtttct taatatatcg agacgctcga aatcgaacaa 60
cggaagctct cgataaattc caatggatcat aacatttcac tcggatgtcc gattcgggga 120
cataatatat cgagacactc gaaattgaca accgaagctc tcatgatatt caatgctcta 180
acattcacac ggatgccgat tcgggacata actattt 217

<210> 9989

<211> 433

<212> DNA

<213> Glycine max

<400> 9989

taactaatca aatgggacaa ttggctacgc agttaaatat acaacagtcc cagaattttg 60
accgattacc ttctcaatct gtccaaaatc caaaaaatgt gagtgtcatt gcattgaggt 120
cgggaaagca gtgtcaagga cctcaaccag tagcatcttc ctcatccgca aatgaacctg 180
cccaacttca ctctactcca gaaaaagatg atgacaaaaa tttaacgagt aagttaccta 240
acaatttata tgcaggtgaa tctttcactg gtaattctga tttacagaag cagcatatcc 300
ctcttccatt cctccaaga gcaatttcca acaaaaaaat ggaagaggca gagaaagaga 360
tcttggaac atttagaaaa gtagaggtaa acatacctct gctggatgca ataaagcaaa 420

ttccaagata tgc

433

<210> 9990

<211> 376

<212> DNA

<213> Glycine max

<400> 9990

agcttctggg aaaaatcctc gagttttctt tatcaaaact cccagtgttt cattggaatt 60

agggtgtaacc tacagcattg acaaattatc tcataaatat atcacttcaa ggttcgttgt 120

ttgtttctca cgaaacttat tcaccattgg aaacaaagag gatttacctt tctccaacta 180

tgaccaagaa attcattcac agctatagca ttctgtccat acatcagtgg tgaggaccag 240

taaccccaca gaaaccattt gtgcacattc tctggcacat agaacaaaac tatcataata 300

aaggttcatt acagtaacca actttgaagt tacattacca ttttcttacc tcgggaaatc 360

acaaatccct ccaaaa 376

<210> 9991

<211> 295

<212> DNA

<213> Glycine max

<400> 9991

agcttctata gaaggttcgt tectattttc totacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggaatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttctctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actacccac ctatg 295

<210> 9992

<211> 375

<212> DNA

<213> Glycine max

<400> 9992

cctcgaaggt aaactagatg ccttggttaa cctggtttcc ttttgggtca tgaatcaaaa 60

atctgcacct gttgccagac tctatggttt atgtcctctt gccgaccacc acacagacct 120

ttgcccttct gtgcaacaat ctgaagcaat tgaacagcct gaagccttatg ctgcaaacaat 180
ctacaataga cctcctcaac ttcagcagca aaatcagcca caacagaaca attatgacct 240
ctccaacaac aggtacaacc cctgggtggag gaatcatccc aaccttagat ggttgagtcc 300
tttacaacag catcaacaac aacagcctta tttccagaat gttgctggcc caagaagacc 360
atacgttcct tcacc 375

<210> 9993
<211> 258
<212> DNA
<213> Glycine max

<400> 9993
agcttcaaga gatcatcccc tcgatttctt tattgggtgat atctcaaaag gggtacaac 60
tatacattct cttaaagatt tatgcaataa tatggccttt gtatctatga ttgaacctaa 120
aaatataaaa gaagccatag tagatgataa ctggatcatt gccatgcaag aagaactaaa 180
ccaatttgaa aaaaacaatg tgtggaaatt aatagaaaaa cctggaaatt atcctggcat 240
agggacaaaa agggttttt 258

<210> 9994
<211> 322
<212> DNA
<213> Glycine max

<400> 9994
gaattctcaa gcttcaaacc tgcaacaaaa gagttgagca ggtaaaaaag attcctcttt 60
ttactcttag aggggacttt gagcgtctgt ttatggagga gtctgactca atctctgatt 120
atttttctcg agtattggcc cgcctcaatc acacttaaaa gaaatgggtga acatgttctt 180
gatgtgaagg tcatggaaaa aatacttcga actttaaatc ctagttttga cttcattggt 240
accaacattg aagaagacca tgatttatag accatgacta ttgagcaact catgggttct 300
ttactagcgt actaagaaaa ac 322

<210> 9995
<211> 365
<212> DNA
<213> Glycine max

<400> 9995

ccttaagctc tcacaccatt tgaaaaagac tcttataacc atttcaatta cactcttgtg 60
gagcatgtgc ctccactatt cccccaac agtctaccat gacaccatca acatgtacta 120
atttcaacac cttcagctgc tttagtagat catccagatc aactagctca catttaatat 180
tgatcacccc taactataaa acaatataca cagaatgttc ctatataatg gtagattcat 240
atttaaagat aatttcctaa agaaaattag agtggttctt ttcttataact aagaatatct 300
ctcaaactct aatttcattc gaggactatc attcactgat attgtgattc tcattagtca 360
aatta 365

<210> 9996

<211> 297

<212> DNA

<213> Glycine max

<400> 9996

agcttgaaat tgaacaacgg aagctcttta gaaactcaaa tggtcataaa ttgtcacacg 60
gaagtccgat tcaggcgcat aatacatcga gacgctcgaa attgaacaac gaatgctctc 120
gagaaattca aatgatcata acttttcaaa cggaagtctg attcaggtgc ataatatc 180
gagacactct aaattaacaa cgaaagctat caagaaactc aaatgggtcat aaattgtcac 240
acggaagtcc tattcatgag cataataaat cgagacgctc gaaattgaac aacgaat 297

<210> 9997

<211> 501

<212> DNA

<213> Glycine max

<400> 9997

tgtaataat taaaaaacac caaacctaca aatacatctt cttttaaaaa ttaagaaaaa 60
taaacaacat ggtaatgata gaaatgtgca taaatcaatg tcgattaatg aatatatcaa 120
aaattaaaat aaatttaata agaacatct aatacttttg tttctctata aaattgaaaa 180
tataatacaa ttagaatata ttaataaaaa ttaatgacac gtataataat taattgataa 240
tatctccttt taaaaaaaaat ctgaaagtag aataattcat caatttctac atcaattatt 300
tattatataa acaaatataa tgatcttgta tataaataga aaaaaaaaaa aatacaatga 360

aaaaaaatta cttgttacga ataaaaataa aattaaagaa acaagtctca cgaaaaaagt 420
gtatatgaat ggaatgtgac aacaaaatat gcaacaaatt gtattaaggc ccagggttttt 480
ggaatgaaac aaaaaatgcc c 501

<210> 9998
<211> 285
<212> DNA
<213> Glycine max

<400> 9998

tatgcagaga atatccaatg tatatacctt catctgactt aacatcaaatt ttttctaagt 60
tatctttttcc attattcaat acaaaacatt tacaaccaa gatatgaaga tgtgagatgt 120
ttgggttttct gccattgaac aattcatatg gagtttttctt taaaatgggt cttattaaag 180
ccctatttaa aatgtagcat gcagtgttaa cggcttcagc ccaaaagtat tttggaagag 240
gagtatcatg tttatgttca atgacacact tttgagaata aatga 285

<210> 9999
<211> 505
<212> DNA
<213> Glycine max

<400> 9999

agcttatctt tcagagtctg aaaagctttc tagcattcat catcaagctt gaagactgcc 60
tctttattca gcaagttgct caatggtttg acgatttttag agaagtcctt gatgaacctc 120
tgatagaagc ctgcgtattc gaggaaactc ccgataccct tggcatttat tgggtggaggt 180
aaattctcaa tgacatcaat tttggctttg tccaccttaa tgccctcaggc tgaaatcttg 240
tggcccaata ttattccttc ttggaccatg aaatgacact tctccttatt cagcaccaga 300
tttgcttcaa ctcatcttcg caatacgagc tctagattag tcaagaagta gtcaaaggaa 360
agcccaaaaa ttgagaaatt gtccatgaag acctttatgc acttttctac catgttctga 420
aaaaatagct agcacgtacc tcttaaaagg ttgttgtgca ttacataacc ccgatgacat 480
ctttttgtat gcaaagaccc caaag 505

<210> 10000
<211> 351
<212> DNA

<213> Glycine max

<400> 10000

ctggggttcga tggccccaat gacatctatc ccctacattt tataaggcca aggggcgggac 60
ataacattca gaggatgtgg cggaacattg acattgtccg cgtatgcttg acatttatga 120
catttcctta catgggcgca gcaatcgctt tccatagtga gccagtaata accggcccta 180
aggatcttcc tggccatagc atgcccattg gcatgtgtcc cacatgaacc cccgtggatt 240
tcctcaatca tgcagattgc ctctttggca tctacgcac gtatgagggt catgttgggg 300
tttcgtttat acaggatggt accacttaca aagaaacaa tatccaatct c 351

<210> 10001

<211> 361

<212> DNA

<213> Glycine max

<400> 10001

agcttgtgct attccaagtt cattaattat acctttaagc cagattgctt cgttcactcc 60
ttcaactaag gccatgtatt ctgcttcagt tgttgaaagg gcaacaactg attgttgatt 120
tgcttttcaa ctgattgctg taccaaacaa agtaaacaca tatccagtta aggactttct 180
tgtatctacg tttcctggaa aatctgcac tacatagcct gtgattgctg cttcatgtgt 240
tgtcttcttg taccttaatc cagctttcaa agatccattt agatacctta gtgttcactt 300
cacaactttc cagtgtatgc tgccaggatc tcccatgaat atgcttataa tacttacagc 360
a 361

<210> 10002

<211> 393

<212> DNA

<213> Glycine max

<400> 10002

ggcctaggat cttcttcac aatgggattt cttttgtctc ttggaagatg aatggcagcg 60
gaatggagaa tgaatagaga gaggagacgc cacttctagg agaagatgag tttataaaaa 120
gctcaccacc ataggaggtc atggataaga gcctggagga agaagatgaa tgaagggaga 180
gggagagaag agcacgaaat tttgtgctct aaaagagctc taaaatctga agtttaatat 240

tcaaatgata aaagttgaaa aaaatgaaca cacatgacct ttatttatag cctaagtgtc 300
ccacaaaatt ggaggggaaat ttgaatttca attcaaattt cactagaatt tgaaattgaa 360
tgtgtggata caaaatttca ctaagtatga tta 393

<210> 10003
<211> 457
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10003

gcgatcctta acgcactgcg gctgcagctt ntgaaactgg aatcatttat cctatctcca 60
tcagccaatg ggtgagtccc gtccaggtag tcccgaagaa gaccgacctc acagtgatca 120
aaaatgagaa ggaggagcta attcctactc ggggtgtagaa cagttggaga gtctgcattg 180
actataggag gctgaaccag gttacaaaaa aggaccattt tcccctgaca ttcattgacc 240
agatgcttga acgcttggca ggtaaatccc actactgttt ccttgatggg ttttctgggt 300
atatgcaaat tactattgct cctgaggatac agggaaaagac cacattcatc tgccccctcg 360
gcacttttgc ttataggagg atgcctttcg gctgtgcaa tgccccctgg accttcacgc 420
ggtgcatgat tagtattttc aatgatattt tagaaaa 457

<210> 10004
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10004

agcttgccgc cacggagnnt ttttactatt ctcttgtgng gnggaacaag ctacaaaagg 60
agagaacaag aaatgaagag ccaatgggtg gtacatggat ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaagattga agaagatgag gtgatcagga tataaccaag ggcaaggacc atgaagcact 300
tgaagggccc atgaccagag gcagacttaa acaagcccaa cacttcatag agacaaggct 360
ggtcatttgt atagctgcca ttgatgatga ttgaaggcct aagtggagaa agatg 415

<210> 10005
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10005

gcttccaaga ttattntgat gatgccatth attatttaatt atccattcaa acaagattaa 60
 agaaatcaag aagattcaag agaagactta agatatgtaa gaacctcaag aaaagcatca 120
 agataagtat aaaaagaatt tttaaagaa aagattgaat aacacaattt gtccaaaaga 180
 attttttcaaa gaaaaatctt ttaccagagt ttttactctc ttgtaatcga ttaccataag 240
 gcagtaatcg attaccagaa gcccaaaaca gttttataac tgtttttacaa agtagtaatc 300
 gattaccaat gtttttgaac gttgaatttc aaatctcaag agtctcaact tgtgacaaaa 360
 tatttttcaaa acagtgtaat cgattacaca atatttgtaa tcgattacca gtgggttttg 420
 aatgttggat t 431

<210> 10006
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10006

agcttgaggc acaatggtag ccacaaagct gattattctg catagctgcn gcatgggaag 60
 aagaggagaa gaccaagtgt tgtcttaggt aactcaacct taatagtttc agtgcattga 120
 ataactatth tcaataactt ctgacacatt ttcaataacc ttaattatca atttgattct 180
 caaatthtta aaaggttcaa ttaaatgctc aagthttttaa agatgaaatc aatttggctc 240
 tcaaattatt ttaaatatth taatttggct ttaagttct taaaaatttg aaaatcatat 300
 tgattcattt ttaaaaattt gaaggttcaa ttgattcatt ttaagaatt tgaggactaa 360
 attaaacctt ttaataattt gnggatcaaa ttaatttatt ttaagaact tatgatcaaa 420
 ttgaacc 427

<210> 10007
 <211> 406
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10007

agcttgcatt cgactaacc atattacaat tctactagaa aatagtcttt taacatcggt 60
tgttttcgat tttcaacatc gatgtttaac cgatgttgaa accaccgacg ttaacattat 120
caatgctaac attgggtttt aaaaaaccga tgtaatatata cactacacga catcggtttt 180
taagaaaaaa ccgatgtcgt atagtacaaa atgtatgaaa aacaaatact acaataaaca 240
acatcggttt tagtcaaaat cgatgttgaa ttgcgtattc tgaaacgctt actacatcgg 300
ttatgaacaa accgatgtag agagtacctt tacaacatcg attattggaa gaattgatgt 360
taaagtgtgt tatgatatca gnttttagtac aaactgatgt agaaaa 406

<210> 10008

<211> 333

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10008

agtctcacga tagtcacgtg cttttctttt angttagccg aggctatacy agacatactt 60
gccaaacaaag tcagggttaac gataactcac ctatgctctt tctttcattc tataatgtagc 120
aaagtcattg atccagtcac atttgatgag ttggaaaatg aggccgcaat tatactgtgc 180
cagttggaga tgtattttcc ccttgctttc ttgacatca tgattcactt gattgttcat 240
ctggtcagag aagcagaaga agccattgaa ttttgttcag aatacttaga gaaggctaaa 300
cctgttgggc tttctgagtc tcggcatgat gac 333

<210> 10009

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10009

ttcccttatt ttcaggctaa actttcctct gtcctgagga cttatcgaga tacactgact 60
gctgatatga agagtgtat taagactgct gttgctgagt tgcttccggt tcttgcttct 120
cgaggttcag agtcagaatt cttttctgga gacagagctg tggatgcaga tgggtgagaat 180

ttcgttagca taaatgatta tgttgtctg tacgagaaaa tataactttta atatctttct 240
 tccatcgtgg ttttatgtga tctgttctac tttcaacttt ctaatgctaa atagtaactc 300
 aggtggaggt gcatcacttg ctancaagtt gcggagccta tcatctgact gttttgcgca 360
 tcttctga 368

<210> 10010
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10010

agcttgggtgg ctagtctcatg gctttaatth tccaatactt caaaaagatt gcccttaagc 60
 tacttgcgca accttggtca tcttcttggt gtgaaaggaa ttggagtaca tattcattta 120
 tccattcttt aaagagaaac aagatggcac cacatagagc tgaagattta gtatttggtc 180
 atagcaacct acgaattctc tcaaggaata ctccacaata tcatcaagag gaaactaaaa 240
 tgtgagatgt aactggagat gattttgggt cacttgatga ttgtggtatt cttgaaattg 300
 ctagtttgctc tttagatgaa ccagagttag aggggtgtctt tttcattgat gattgctagt 360
 ttgtgaaatt cgtgaagact tgaagttggt aattcatcat cttgctntat a 411

<210> 10011
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10011

agcttgactn tctgaggatg acatacttat gtaagtttct tgttgccct ctccaccatg 60
 atagagtgtc caagcaaaac catcaattta ttattgacaa agttaatcaa aggttgagca 120
 attggaaaac gtccaattta tccatagcat gtagagtaac tttaacaaaa gttgttattc 180
 aagccatgca tatctatgtg atacaaacta ctttattact gtcttcggtg tgtgaagaaa 240
 ttgaaaaaaa tgttgtaatt ttgtttgggg ccacacaaat acctctagca aaattcattg 300
 gcgaaattga gattctctat gcattccaaa aagaaatggc gaccttggtc tgaggaaaac 360
 tagtgttatc aaccaagttt ttttaatgga ggtgggggtg aaattatgta tgcgacctaa 420

tga

423

<210> 10012
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10012

agctntntat tttctgtaga ttaagatgat tctgtggcca cctcatggac tcctctaaga 60
acaatagcat catttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa 120
ttcctagcct cagcatgagt catatcaaca agggctccac cattggcagc atcaatcata 180
ctcctctcca ttttgctaag tccctcatag aaatattgaa gaaggagttg ctcagaaatc 240
tagtggtgag ggaagcttgc acacaatttc ttgaatcttt cccaatactc atacaagctc 300
tctccactca gttgcctgat gcctaaaatg tcttttctga tggtagtggt cctagatgca 360
gggaaaaatt tctccaagaa cacccttcta aggtcatccc agctgaaaat ggacttgggg 420
g 421

<210> 10013
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10013

gagtcccgta atatatcgag acgctcgtaa ttgataacag aaactctgag catattcgaa 60
cgacaataac tcttgactca aatgtccgct tgtgtccctt agtatatcga gacgctcgta 120
atagaaaagg gaagctctaa gaataatcaa acgacaataa cttntaactc ggatgttgga 180
tagagccccg taaaatatcg agacgctcga aattgaaaac agaagctctg agcaaattca 240
aacgacaata acttttgact cggatgtccg attgagtccc ataatatatc gagacgctcg 300
aaaatgaaaa tag 313

<210> 10014
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10014

cttgatgttg ttagtcgntc attggatgtc gagagtgtca tcttggtgga ttctgagaag 60
aagatcaata aaatcttggc cctctaattc agctccatct tcttttgcaa ttntgttctt 120
ttcttgatgc tctctgatga tgttttccag gaccttgtca acctgcttgt gcaacttctt 180
caatctgggc atctttccag ttaggaaata taagaatgga attgaaggaa agacatcagc 240
aaggctgaat cctcccccg attctacgat tnttcggatc aaagacacaa caaactcatc 300
ttgctccttg tatatgccac cgaatgctac cctggaaata gaggcacata tcaatgagaa 360
aattctactg gtgagattga taggcgaacc agcagattcg cgaatggagt tgatanactn 420
tgctgctcg tcttctctaa t 441

<210> 10015
<211> 413
<212> DNA
<213> Glycine max

<400> 10015

agcttttcga gaaaatgaaa taattatgta tgtgatctag agcaacttac ttatttgaag 60
ttggtgatca aagagacatt cagggtacac ccactactc ctttattgct ccctagagaa 120
tgctctcaac caaccatcat tgatggctat gaaatacctg ccaaaaactaa agtcatggta 180
aatgcatacg caatttgtaa ggattcccaa tattggattg atgctgatag gtttgtccct 240
gaaagggtcg agggtagttc tatcgatttc aaaggggaata actttaacta tctccctttt 300
gggggaggac gaagaatatg cccaggcatg acattggggt tagctagcat tatgcttcca 360
ctagctctac tactgtatca cttcaactgg gaactcccaa acaagatgaa acc 413

<210> 10016
<211> 303
<212> DNA
<213> Glycine max

<400> 10016

ctcagctgaa ccattacgt aatctctcgg gtgttgaggg tactttttat ggatttttca 60
cgtatttcgt gaaagactac tcttgctaac gaaatattat cgtgtagagc accctgttgt 120

tgtaacatct caatgatgtg ccaagcaata gcttcttctt cactgatctgg atccgatgca 180
cgaataaggt gttctgctct gtcaaataac ataaaatgaa ttaagcagga tacatgctgt 240
cgaccaccta tgatgcacgt atactttcaa aatggcagca tatacatact ggacctgtgc 300
tac 303

<210> 10017
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10017

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catcaacaac ttttcgtccg tagaatatgc ccccatcttt cggcaataca tccgaagatg 120
tccttttggga catgtcgtcc ctttgtatct atcaaaatct ggtactttga acttggggagg 180
gatgacgatg tcaggtacca aacacagatc cgccaaatct gagaacgggt agttgccgag 240
gcctttctage gccctcagcc tctcttcaag taaatcaatc tttcccttat cttttgcaaa 300
gggaacggat tctttaacgg gtgcgggtgg agacgggaca tggcggacta tgtttggttg 360
gggcaattca tggggggggcg gatccttgag gggcagtaga gggcctagac gggcatcttc 420
ttca 424

<210> 10018
<211> 291
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10018

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ccgaacaaaa tgacaatcaa tctcaatatg tttagttctc tcatggaata ctagattaaa 120
agctatatgt agggttgcct gattatcaca acatagcttc gcttggtgag tatttccaaa 180
cttcaattct taaagaaagt gtttaatcca natgagctca caaggggcta caaccatagc 240
tctatattca gcctctgcac tagacgttgc aacaacattt tgcttcttac t 291

<210> 10019

<211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10019

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 gaatgacttg ccatgcaact tgggacatta gcacaatgat agtcattaac tagataagtg 120
 caaacactag tccagctaatt ttgtatggta tgtctgtgtc tacagtactt tgatccgttt 180
 atggctataa tcatacaaaa aagaatgggt gaaatcttat taaagctgat aataatcaaa 240
 agatagcagt aatctatcaa ataaagaaat aacagtgaac ctgaccctac tcgtaatttg 300
 gcttgaaggt gtgggtgtcaa aaaatgaaac atgtgccctt aanacaatcc ttcctagtat 360
 gaagatgggt ccacaaaaag atagaagagc aaatgttccc at 402

<210> 10020
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10020

 tgtgggttgg aagtccaagt agttatcgct tacattcnta ttttgattgc aaagnctgnt 60
 attgaggctt tgcctatcta ctctatgggtg acaataaaaa ttccatgggg aattatcaac 120
 aatattaaga aggatgagag atcttttatt tgggaagatc aagtgggaag aaagaaaatg 180
 catgctatag gttggaactt gatggctcgg cctaaagctt atggaggggt ggctatgtga 240
 aatctcaagc ataagaattc tgctagtttg atgaagttag ggtggtttct cagaaatgat 300
 gtgaacaact tatgggtgtca ggttcctaaa gggaaatatg cgagacaaga tttctctgca 360
 acatgtttgg tagccaagcc acatgat 387

<210> 10021
 <211> 414
 <212> DNA
 <213> Glycine max

 <400> 10021

 ctgcagcttt ctttttggca catctattct ttttttgtgt agaatgaagc ttgacaggtt 60

cagggtgcagg tgatactact ggtggaggca cttgaatttg gttgtcagac ctcaagggtga 120
 tggcactcac attttttggga ttctgcacag tttgtgaagg caatttgtca gaattttggg 180
 actgagcttg gttcatctga gtagccactg ccctatctga tttgtcatatc tttgaatgga 240
 ggctcttctg tcttctgtaa attgcatatc ctggatgac atttgctca ctaactcttc 300
 taaggaaggt tgaggaggag cctcaactgc ttgttgtctt tgttgtgact actgctgttg 360
 ttgctgctgt attggaggag gaacatatgg cttgcttggga ccaacaacat tctg 414

<210> 10022
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 10022

agcttatgct gcaaacattt ataatagact tctcttatta tcataaccaa caacagcaaa 60
 ataattatga cctttcaagc aatagatata atccaggttt gaggaatcat ccaaactctga 120
 gatggacaag tcctctataa caacaacagc atgtccctcc ttttcaaaat gttgttggtc 180
 caaacaagcc atatgttcct cctccaatac agcagcagca acagcaacag tcacaacaaa 240
 gacaacaagc aactgaggct cctcctcaac cttccttaga agagttagtg aggcaaatga 300
 ccatccagaa tatgcaattt cagcaagaga caagagcctc cattaagagt ctgacaaatc 360
 agatggggca gatggctact cagatgaacc aagctcagtc ccaaaattct gacaaatttc 420
 cttcacaaac t 431

<210> 10023
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 10023

tgtctctcaa tcaagttcct gtgaaaagaa agtttcttat tgggtgtgata aaaataactaa 60
 gattatgttg aaagtgtgca tagaagagggt gaatgttgga aataaacctc acaaccactt 120
 cactaagctt gggtgggcaa atattgcaga aaagttcaat aagacaacaa atttgagata 180
 tgaatataag caattcagaa ataggttgga ttctttgaaa aaggaatggc aattatgggc 240
 caagcttatt gggaaggaca caggtcttgg ctgggatggg gagaagaaaa ccattgcagc 300

tagtgatgaa tgggtgggaag ccaaaaattca ggtatgtgtt attcaactga aaccattgca 360
gccttct 367

<210> 10024
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10024

tcctcaagtc cctccaccag taggaaaatc cctntttgtc tcgttcttct ggaactctgt 60
ccaacctcca tatttgaggt taatgattct agcccataaa tgctgctgac cagaagctaa 120
ggcccatatc catttgccca acaaagctac attgaattta gatatttatt taatccccag 180
accccttca gccttaggaa ggcaaataac cttccatttt acccaggaa ttttcttgta 240
atccttttct cccccctata aaaaattcct ttgcaatgct accaatctat gagctacctt 300
ttgaggaatc ttgaagaaag ataagaggta aattggtaaa gcattgagga cagaatttat 360
cagagagacc tttcctgcc a tgatataatn tttttgtgcc cacttgata atttagattc 420
acat 424

<210> 10025
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10025

agctttctct catcattgct cattctnttt gttatttcaa cttgcacacg aaccaattga 60
tcaccctca tattgtcttt attcaggaag ggaacacctt tottagccat aacaagtgtt 120
gtgttcggtt gtgtcccagc aggaattttc aaatcgaccg ttccatctac agtaggaacc 180
ttaattgtag tccccaggat tgcataata tacgaaacct tgcagggtgta taaaatgttg 240
gtgtcatcac gtttaaggat gggatctggg ataacctcaa taactacaaa gaggtcacca 300
ggggaaccac ctttccttcc agcattcccc tcattccgga cccttagacg actaccagag 360
tccacaccag ctggaacctt cagacttatc cgttttgatt tccttaccog 410

<210> 10026

<211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10026

tcttggcaat cctcattcca gcgatcagtn tggtttttgc ttaagagctt gaacagcggc 60
 tcacaaatgg cgatgagctg cgagatgaat ctggcaatat aattcaagcg tcccacgaaa 120
 cctcggactt gcctctctgt acggagttct ggcattctca ggatagcctt cacctttntg 180
 gggctctacct ctatcccttt ctggcttaca atgaaaccaa gtaatttccc tgatttgacc 240
 ccaaaggtag acttagcggn gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300
 ttccgcaggt tgacaagggt ttcttcctcg gatttagatn tagcaattat gtcgtccacg 360
 tagacctcga tctcttgatg catcatatca tggaaaaaag ctaccatggc ccgttgataa 420
 gttgccccga cattcttgag 440

<210> 10027
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10027

gtcttcgctt ccatttggtt tatggagaaa cctgatgatg gtattaatgg aactggtag 60
 cnttcacaac atcatgcaac caagattggc caaacatttg caacttccca ttccaccgat 120
 taaaactttc cctgttatga ttggtgatgg aaatcattta atttgtaatg gtcaatggac 180
 taacgtgcct cttttagtcc aaaaccattt gtttacttta ccattttatt tgttacctat 240
 ccaggagct gatttggtat tgggtatgga acggttgaga actttgggcc ccattatttc 300
 tgactntgta gtcccttgca cgactottac ttacaatgat tgctccatta ctttaaaagg 360
 ggaactatta aatcctcaat ttaccatttt tcagtaactc tgccacctca tgcatact 418

<210> 10028
 <211> 421
 <212> DNA
 <213> Glycine max
 <400> 10028

agcttcttca ggtgttattc cttccaatct ctttatttgg ctctatttca agatgaagac 60
aactgtagac actacctctc cccacaagta cttgggcaga ctcttgccctt tcaacatgct 120
ccttaccata ttcattatgg ttctattttt tctttctgca gctccattat gttgaggtgt 180
gtagggagga gtcacttcat gaattatgcc ttcttgatca caaaattctt gaaattctac 240
agaaacatat tcaccaccac catctgttct caatatcttg atcaatgagc cactttgctt 300
ttctgccata tttttgaact tctcaaagac ttcaaagaca tcactcttcc ttcttattag 360
gtaaactcat actttcctag tcaattcatc aataaaggat atgaagtatc tgtttccacc 420
c 421

<210> 10029
<211> 403
<212> DNA
<213> Glycine max
<400> 10029

agcttatcct gaccccgaga gttatatgtt tcttgtggga aaactcattt accttaccat 60
tactagacct gatctctcct ttgctgtggg agtgggttagc caatttatgc agaatcctca 120
tttgaccat tggaatgctg ttatgcgtat tctgaggtat gttaagaaag ctcttgga 180
aggggtgttg tatgaagaca agggtagtac gcaactatca ggatattgtg atgctgattg 240
ggctggatgt cccatggata ggagatctac atcacgttat tgtgttttca ttggaggaaa 300
tctaactctt tggaagaaagc agaaacaaac tggtgtcgct cgggtctagtg cagaagctga 360
gtatcgatct atggctatgg ttacatgtga gtcctgtgg atc 403

<210> 10030
<211> 288
<212> DNA
<213> Glycine max
<400> 10030

agcttttaac tcggaggggc gtattaagct catattatat cgagacgctc gaaattaacc 60
aacggaagct ctcgagaaat tcaaaggggc ataactttta actcggaggt cccatccaag 120
ctcataagat atcgagacgc tcgacattga acaacggaag ctctcgagaa atacaaatgc 180
tcataactct tcacacggag gtctgaggca cgcgcataat atatctagac cctcaacatt 240

aaacagcggg agctctcgag aaattccaat gggcataact tttcactg

288

<210> 10031

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10031

tctcattgac atacagtcga tgctttttgc tgctgatctc catgtcctcc ccattttctgg 60
tgcctatgta gtgttaagtg tccaatggct taaatcattg ggtccactac tcacagatta 120
taacatcttg tgcattgcagt tcttctatca gggacgcatg gtggaactga atggtgatca 180
ggatgacact ccgaacttca tcacactgtc acaatttttg cgaatttcgc agacccaagc 240
tttaggactg tactaccaca tcacacttct atogaaggac tcgcccaccc cacaggacct 300
tcaccagat attcagtcct tctgactaa gtctgcacac ttngttcacc aaccagcac 360
cttgtcatcg aagtaggaca ccgatcatca cattcatctc ctccctcagt tcaactccggt 420
caacgtgaga ccgtatcact acccacactt ct 452

<210> 10032

<211> 428

<212> DNA

<213> Glycine max

<400> 10032

agctttctgct gcaaacattt ataatagact tcctcatctc aaaaccaaca acaacagaat 60
aattatgacc tttcaagcaa aagatacaat ctaggttgga ggaatcatcc aaatctgaga 120
tggacaagtc ctccacaaca acaacagcct gtccctcctt tccagaatgt tgttggttca 180
agcaagccat atgttcctcc tccaatgcag caacagcaat aacagtcaca acaaagataa 240
caagcaactg aggttcctcc tcaaccttcc ttagaagagt tagtgaggca aatgaccatc 300
cagaatatgc aatttcagca gaagacaata gcctccattc agagtttgaa aaatcagatg 360
gggcagatgg ctactcaatt gaaccaagct cagtcccaaa attttgacaa attgccttca 420
caaactgg 428

<210> 10033

<211> 327

<212> DNA
<213> Glycine max

<400> 10033

gccctgatga gactaatgaa ggaggtatag atgttgaaat taagctaaag gagttagaac 60
aaaagtcagc tgaagtcagt accgagtgga gtattgtccc tggacgtgga gggcattcca 120
ctctgggtatt tattttctgtc taattgaatt tgtattctct ttaacaaccg aggaattttt 180
ggcctgcccc attaatgtt ttactttcta tgttgacttt gtgtaagctt cccttcagcc 240
aggtggcact ggtagttttg aacatcggaa tctgcaaggg ctgaatagat ctattaacgg 300
ttctataaca acaagcaact tcttgaa 327

<210> 10034
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10034

aactaagctg ctaatgaata atgacatacc gcataagggg taggatagtc tcatagcatt 60
gnngagtgac caagctgagg ccctgtgggc gacacacacg gcaatgatca cgcattgaaa 120
gcttgccatg aaacacatta agccattgct cgtgtaatga gctggaaatg tcttgcttat 180
gtctttctga aaaacgtaat gatataataa ttctcttaaa gaggaaaatt aaactagtta 240
agatagattg atgcttaatt acttgaatta tgaaccatgc tgcccagaca aggggtgctaa 300
gaattacgac caaagggcct aggaacatgt ttcccttgcc agaagagcta gttccttcca 360
atttctcagc atatcttcag tgaatacttg 390

<210> 10035
<211> 407
<212> DNA
<213> Glycine max

<400> 10035

agcttctaga ggctgggctt atttatccta tctctgacag cgcttggata agcccagtac 60
aggtgggtacc aaagaaaggg ggaatgatag tcatctggaa cgagaagaac gacttgatac 120
caacattgac tgtcactggg tggcgaatat acatcgactt cgactaccgc aagctaaatg 180

aagccataag gaatgatcat tttcctttac ccttcatgga tcagatgttg gagaggcttg 240
taggtcaggc atatattgct ttttgatgg atattcaggt tataaccaga ttgctgtgga 300
ccccaagac caagagaaga cggccttcac atgccctttt ggtttgccta tagacagatg 360
tcatttgggt tatgtaatga atcagccaca ttccaaaggt gcatgct 407

<210> 10036
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10036

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anaaattatg acctctccag caacaggtag aatctcgggt ggaggaatca tcccaacctt 120
agatggtcga atccttcaca acagcaacaa caacaacaat agccttattt tcagaatgtt 180
gctggcccaa gcagaccata cgttcctcca ctaatccagc agcaacaata gcaacagccc 240
cagaaacagc aaacagttga ggctccactg caaccttccc ctgaagaact tgtgaggcaa 300
atgactatac aaaacatgta gtttctacaa gagaccagag cctccattca aagcttaact 360
aatcagatgg gacaattggc tacacagtta aatcaacaac aatcctagaa ntttgacaga 420
ataccttc 428

<210> 10037
<211> 408
<212> DNA
<213> Glycine max
<400> 10037

agctttctcc actaagttgc ctgattcctg aaatgttttt tcttatggca atggtcctag 60
atgcagggaa gaatttctcc aagaacaccc tcttaagggtc atcccaattg aaaatagacc 120
tgtgagcaag gtagtatagc caatcttttg ccactccctc tagagaatga ggaaaaacct 180
ttagaaaaat atgatcttct tggacatcag ggggcttcat ggtggaacaa acaatatgga 240
actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaacttg ggcatcaa 300
gtattagtcc aatgttgaga acatatggaa caccctcatc aggatattga ttacacaagc 360
tttcataagt gaaatcaggt gcagccatct ctctaagagt cctctcac 408

<210> 10038
 <211> 561
 <212> DNA
 <213> Glycine max

<400> 10038

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 gactatggca tcatttctgg cgctaaactg ctgggagttg gaggccatct tctcaattaa 120
 atttctggct tcagcaggag tcatgtctcc aagggtcca cactggcag catctatcat 180
 acttctctcc atattactga gtccttcata aaaatattgg agaagaagct gttctgaaat 240
 ctgatggtgg gggcaactgg cacatagttt cttaaactc tccagtact catacaggct 300
 ctctccactg agttgtctaa tacctgagat atccttctg atggctgtgg tcctggaagc 360
 agggaaaaat ttttctaaga atactctctt aaggctatcc cagctcgtga tggaccttgg 420
 agcaaggtaa tacagccagt cctttgccac tccctctaataaatgaggaa aagccttcag 480
 aaatatgtga tcctcttggga catctggggg tttcatggtg gaacagacca tgtgaaattc 540
 tttccaatgt ttgtgcgggt c 561

<210> 10039
 <211> 585
 <212> DNA
 <213> Glycine max

<400> 10039

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 gcagcgtaat ggagaaggag aagggtgatt ggagatgcc cttcaaggag aagatgagtc 120
 tagaagaagc tcaccaccat aggaagccat ggataagagc ttgaaggtaa gagaagatga 180
 atggagggag agggagaaag ggagcatgaa atttagtgcc tctaaagaag tttgaacttt 240
 gaagttaaat tctcaaata tcaaagttga aaaaatgcac acacatagcc tctatttata 300
 gcctaagtgt cacacaaaat tggagggaaa tttgaatttc tattcaaatt ttactagaat 360
 ttgaaattga aattgtggag ccaaaatttc actaattatg attagtgaat tttaactatg 420
 gttcagccca ctaatccaag atcaagttaa agattctcca ctaaatgtgc ttaggtggca 480
 tgaggcatgt aaagcatgaa ggacatgcac aaagtgtgac tatatgatgt gacaataggg 540

tgtagccagc aaatgctcac ctccccctcta aaatttaatt ggatt

585

<210> . 10040

<211> 521

<212> DNA

<213> Glycine max

<400> 10040

tcaaatggac atcacttcgt cttagtcgcc atttgttttt cttcatcaaa tgggtcaaag 60
tagcttcata cgccaatgtg actaggagtg tggtgattag attcataaaa aaggagataa 120
tttgctgata tggggttgccc aggaaaatta tcaccgatta tgccaccaat ttgaacaaca 180
agatgatgaa ggaaatgtgt gaggatttca aaatccaaca ccataattcc acaccttaca 240
ggcctaagat gtatcgtgca gttgaggttg ctaataaaaa tatcaagaag atagtccaga 300
agatgattgt gtcatactag gattggcatg agatgttccc ctttgcggtg aatggttatc 360
gaacttcgat ggcacatct actgggcaac ccctttttct ttggtgtacg ggatggaggc 420
tatgctcccg tttgaggtgg aggttccttc tttgagaatc ctatccgagt cggggttga 480
aagattcgaa tgggccaag ctcgcttttt gatcagttga a 521

<210> 10041

<211> 487

<212> DNA

<213> Glycine max

<400> 10041

ggaagccgaa cagcggacgc tctacgaaaa ctgcattttt tataacttat cacacggagg 60
tgcaattgag ggcataata tgtccagacg ctcgaaatta aacaacgaat actctcgaga 120
aattcacatg gccgtaactt atcgcacgga agtccgattt aggcgcataa tacattgaga 180
cgctgaaaat tgaaccacga atgctctcaa gaaattcaaa tgggcatagc taatggaacg 240
ggaggccgat ttatgcgcat aatacattga gaagcttgaa attgaacatc ggaagctatc 300
aagaaactaa aatggttgga aactgttaca cagaagtgcg actcaagcgc ataatacatg 360
gagacgctcg aaattgaaca acgaattctc tcgagaaatt cgaatggtca taaaatttca 420
aacggaagtc cgatttatga gcataatata gcgagaaagt tgcaattgaa ccacgaatgc 480
tctcgag 487

<210> 10042
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 10042

ttaaatactc agcttataat tgcagcagcc aatccttgaa gtttcctggt tcttcctgtg 60
 aaataaaaga aaaaaagaaa ttaaacctaa ttttggtcag gtaaggaaaa gtaggacaaa 120
 cttaccta at gcaaaatggc aaggtaaaag tttgccaagt ctcttcaatg tggtcatttc 180
 atcatctggt agtttaggat tcacaccata tggaagaaag cgaaagggtt ttctataacc 240
 atgaataaca gcaggcagaa gatcagcatc aacaggcaaa ggatcacctc cccaccaatc 300
 agtaa atcg ggcceaagcc ctggttagcaa acagtctgta tcttctgcaa actctgcttc 360
 atctggcagt tgaaatcgta ctttattgtg agtaccaaca cctattatta aagctgggtt 420
 tgctgtttca ccatttgaat tttccacacc acatgccctt gaatttttt 469

<210> 10043
 <211> 520
 <212> DNA
 <213> Glycine max

<400> 10043

tggtataaat gttgtcaaca taagggccct tgagttattt agtgaacttg tttgcaagtt 60
 ggtcactaaa gccgacaaag ttggtgatga tttctcctga aagcaccttc tctctcacia 120
 agtgacagtc aatctctatg tgttttagtcc gttaatggaa gagcgaattt gaagcaatgt 180
 gaatagcata ttgattgtca catattagtt tagtatcttg agtgtctcca aatttttagct 240
 gttggagaag tttcctaagc catgtaatct cacatccagc tgctgccata gcacggtaat 300
 cagcttcagc actagatcta acaactgttt tttgcttctt gctcctacaa gggatcaagt 360
 ttctccaat gagaacacaa taccctaaag tggacttctt atttgatggt gatcctgccc 420
 aatcagcact aga atagcaa acgatgacag catcacaa ttgtatgacaa catttcaatg 480
 actatcacat gcaa atgtga tatctgggtct agtgacaatg 520

<210> 10044
 <211> 511

<212> DNA
 <213> Glycine max
 <400> 10044

tatcagggtat aaactatttta aaatcgtaag gaatttcttt ttataagatt gaactgaaaa 60
 taaataaatt ttggtggata aaaatcgtaa caaattgtga aatcgtaaac tcaatgaaca 120
 aagaggggact aaaagtaact ttctgaaaat ttgaggggact aataaaaaata attttttttg 180
 agaactaaaa aatacttacc gaaatttgaa agattaaaaa tatatttaag ccttaaataca 240
 atcttataaa atcagcttgt aagatgaaag atgtcccaca cttatatata ctaatttgac 300
 tataatctcta gacaatgtga tctcgaacac aacctctcat gtcaaagata ggatatctcg 360
 tgcgtgaagt ttgcaggatt ggaagtttat gggtagtggt atagatgtcc ggtagaggggt 420
 ggcacaatag gcctaacaat agattgctag gataaacttt gatatcatct taaaatgtgg 480
 gtttgaacct aactcaacct taaaaactag c 511

<210> 10045
 <211> 579
 <212> DNA
 <213> Glycine max
 <400> 10045

tttacctctc gttttaactc tcagcatctc ctgactttca atgtcaaaga taaggcaatg 60
 ttgattttca aaaaggatac tttaaatcct ttttctatca actaacctac gctaagaaaa 120
 ttttgggtcaa tatcgagtac ataaagaaca tatgagattg tctttatacc tgaacttggt 180
 gagattacga tggctccttt tccttttgcc gaaatataac caccgttccc aattctgatt 240
 ttgagactt tagtaggctt caaatccttg aagagtgttt tgtcatatgt catgtgggtt 300
 gtacaaccac tattaatcaa ccagcattct gaactactcc ttgctgaaaa agatgttgcc 360
 acaaacattt gatcttcttc atcttgctct atgaactgag cattgacttc atgctgtaga 420
 aacttgcttt tgcacataac aacttcatgt acaaactgat tgcatttgct gcactttgca 480
 tctggacttc tcccgcatth gaatggcggg ttaccattt tgccacaatg gtgacaaaagt 540
 gggtaatttt ttcttatacc cttaccttta ctttgggca 579

<210> 10046
 <211> 601

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10046

tgagaatgtg cctatgaatt ggTTTTtagc tatgtttata aaccagccct gagagaatat 60
 ggcgagtga attccgaatg acagattcta ttagggcacc acaatgatca cggacatat 120
 tattaattga accaggatga acatattcca gataaatata aaaacggtgc tcaacctgca 180
 agcacatatg ttaaggggtt aatgctggta cagaataatg attattaatc ttgagtagct 240
 aattatgaag taggagattg cttactatct cactgccaaa atactgtacg atgtttgaat 300
 gttagatt nctaagaact ttaatttctt ggagaaaaag aataaactaa taagaaggat 360
 aaagaggata tacaaaaata catatcttca aaactattac ggaacgataa atatatatag 420
 gcaagcagcc caagccatta ttaataaaaa caacctcatc aagtattcaa ctacagtggg 480
 cactaaaacc aatgannna cctcacttgc aaatatatga tatcggccaa ggccatacat 540
 atatatatat atatataggg aaattaatag actagttaat ctgagctgaa catcttaact 600
 g 601

<210> 10047
 <211> 613
 <212> DNA
 <213> Glycine max
 <400> 10047

cgccaatttt ggtctagatc taaatagaca attaatTTTT tttttatgat gttcctcaat 60
 ttttatcaaa tgctatttta gtggatgtga gttatgttgc tttttcgcag atttttaatt 120
 gttttttggg ggtaatttcc cctccaattc acccaaaaaa atgttaattg ttatggaact 180
 attaaatcaa tgcaaaaatg gcagaaaaat taatataaat agataaacta agaaagcata 240
 aatctaatat gaacaaaaaa atcaccaact aagtcgaaaa tgctactcaa aagtgtgatg 300
 tgaacatgtg aattgcaaca ccctgaaatg gaataaaaca aagaacatct ttcagcgttg 360
 gatgttaaaa gaacaaaata ataagccaat aaatgttgaa ccatataatg ataataaaaa 420
 aatgtttatg tctatgcact aatagtgtaa aataatttta tattgttatc caatcacaaa 480
 tcaccctttt gaattacttt aagataatta ctttaaaagt caacaaattt cccatgcatg 540

gtgtcttatg acatgatgtc tgggttaaac attttacatt ggcagtgtat aacccttttt 600
 cttataaaaa aaa 613

<210> 10048
 <211> 484
 <212> DNA
 <213> Glycine max
 <400> 10048

tccttaagaa gattcctaaa gaagctagag cttatcttca catacctctc taatagctaa 60
 gcttacctcc ttgagatgag aagctagagc ttagctacac acctcctata atagctaagc 120
 tcaccccatg acaaaaaaca tgaaaattca aaaaaaagt ccttactaca aagactactc 180
 aatagaatgg ccaaaatata aggcccagac gaaggaaaaa cctattctaa tatttacaaa 240
 gataagcggg ctcatactta gcccatgggc ttgaaatcta ccctaaggct catgagaacc 300
 ctcaggcctt cccttggatc tctagcccaa tctacttgga gtcttctacc caatgccctt 360
 gtggggtagg attgcatcat tccctccacc ttggaaagga tttgacctta aatcccgagg 420
 ttcttcatac tctgggctcc ttccctcaac acctgtaaaa ataacaaaaa catatgtatt 480
 agtg 484

<210> 10049
 <211> 619
 <212> DNA
 <213> Glycine max
 <400> 10049

tcatgagaga gtcaaagatc aaattgagag gaatttttta aactatgcta aacaagccaa 60
 caaagggaga aagaaggttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
 agaaagggtt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180
 agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccgggtg agtataatgt 240
 tagttccacc ttcaatgtct ctgatttacc tctttttgat gcagatggag aattcgattt 300
 gaggacaaat ccttctcatg aggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
 ggatccactt gaaggacttg gaggacctat gacaagggtc agagcaagga aagccaagga 420
 agctcttcaa caagtgtgt ccatactatt tgaatacaag cccaagtttc aaggagaaaa 480

gtccaagggtt gtgagttgta tcatggccca aatggaggag gactaaatga caccactttg 540
 tttcaatttt agagtgggta gtttgtctaa ataatggccc aatccttgta aagttggctg 600
 acccaaaata tgttttggg 619

<210> 10050
 <211> 595
 <212> DNA
 <213> Glycine max
 <400> 10050

tctaagttct aataggggtga taaagagcag aattgggtta tgtgaaccac aagtatagag 60
 ttactataat acactaaagc tccattaaaa actgaaccat gagtacataa tatactacat 120
 tgcaactgca ttaaacaatgt tattgttatt aaccaatttc aggacctaga ggaccctttc 180
 ccttatttgt gagaaaacta gcttaataata atctagttct ataattaact aaggagttaa 240
 gagaagctat cccaaaaacg caatatcacc ttcttatggt tgttcacaaa gttgaatttg 300
 gaattaacta agtgataagg aagggttcc acaaattcat tcatcctcta aggtgcttcg 360
 acttttttga attctctttt gtactacata atcaggacat agctttttcc catgatggat 420
 tctgcacatt tttcctttct gggggcttga agcctgcatt aattcttaat gggacttggt 480
 ttttaacaaa tgggcatgtg cattcttact ctactgctat ctcacttatt tttgggtata 540
 tttacgtaac gtaaactcat ttaacttcaa aatttcattt catgggtggg aacat 595

<210> 10051
 <211> 468
 <212> DNA
 <213> Glycine max
 <400> 10051

ccttaagaag attcctaaag aagctagagc ttatcttttt tacctctcta atagctaagc 60
 ttacctcctt gagatgagaa gctagagctt agctacacac cttctataat agctaagctc 120
 accccatgac ataaaacatg aaaattcaaa aaaaaagtcc gttctacaaa gactactcga 180
 tagaatggcc aaaataccag gccagacga aggaaaaacc tattctaata tttacaaaga 240
 tgagcgggct catacttagc ccatgggctt gaaatctacc ctaaggctca tgagaaccct 300
 caggccttcc cttggatctc tagcccaatc tacttggagt cttctacca atgcccttgt 360

gggggaggat ggcattcctt cctgcacctt ggaaaggatt tgaccctaaa tcccaggagg 420
cttcatactc tgggggtctt tctctacac ctgggaaaat aacaaaaa 468

<210> 10052
<211> 589
<212> DNA
<213> Glycine max
<400> 10052

tcatgcttaa ctatgtatgt caaaacttca ttactgttgt tcaagacata caagtgaagt 60
tgtaacaaat cttctacact tggagtgatc atatgcagtc ctcttgaacc cttaccaccc 120
actctgtcat catgccgaga ctcaggaagc ccaacagggt taggcttctc taagtattct 180
gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttctgggtcaa 240
tatagattct ttgtatactc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac 300
cgtagataaa caggaccaca acatttgatt tctttgacca gatgcacaat caagtgaatc 360
atgatgtcaa agaaagcagg gggaaatata tctccaactg gcacagtata attgcggcct 420
cattttccaa ctcacaaac ttgactggat caatgacttt gctacatata gcatggaaga 480
aaaagcacia gtgagttatc gctaacctga ctttgtttgg caagatgtct cgtatagcca 540
cggctaacia ttgttgcatt agcacgtgac aatcgtgaga ctttaacc 589

<210> 10053
<211> 463
<212> DNA
<213> Glycine max
<400> 10053

tataacaaat ctaaaacaca aagtttgaaa ccaatttggt gactaaaacc tgcctatct 60
tttctcttt ttaaagaac aagaaaaata cagaggaagg gaatccctgg aggaaaccag 120
gaagaacaaa aaactcagaa ttgaaagaac atgcaatggc cctcttgatt gccccatatt 180
tcaagcgtaa tatcggttaa ctacatcgga gttcacgggc gagggcaatt cctcgccatc 240
catgtgggtg agtatcaaag caccaccaca aaaggctctt ttcaccatga aaggtccttc 300
ataatttggg gcccaattgc ctggtttatc tttaacagcg cgggaaatct tttttaacac 360
gatgtcccc ttgttgaact tgcgcgggcg tacctttttg ccgaatgcgg gctttatccc 420

ttcgttgaga caaacgcccc tggcttatgg cagacaaaac gct

463

<210> 10054

<211> 563

<212> DNA

<213> Glycine max

<400> 10054

tttctttgta cacctacatt cctatacacg ataaactttc tttgtataca catgtatgaa 60
aaactctttc tcttttatatc aacacgggtc atataacaac tctattcctg ttcaaagact 120
tctttttcgt ttttcaacat acaaatcgtg gtttatacaa aaacttcttt atatacactc 180
atggctcaca cacaagaatt ttttttcaca cattatttac acacacacaa aatctttcca 240
tacacttttt acatataaaa aaatattttc ttttctttat atatagacac gacatttggt 300
cacaaccctt ctttcttttt ctcttttttt ttattcttgg cgttatcatg attttttggt 360
cgttatattt ttaggacgac gttcctaaag gaaaactcta caagggttaa gaatttcaac 420
aaacattatc aacaataaca aagtaagcat taacgcaaca ggccaaacaa aatgtatgca 480
caaaacaaaa gacaatcgaa aaaacaaaac aaacgttagt cccttcagtc atagaaacaa 540
gataacattc caatgataaa tga 563

<210> 10055

<211> 517

<212> DNA

<213> Glycine max

<400> 10055

tcaagaaaaa gatggcctca gcaaattcct tatttctata aggaaattct atcaacagac 60
ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatatc tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagtcat caagtgaaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300
taataacatc tgcccttagga atgggtgaat atttcagagt ttcaaattgt aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatggt aaaagatcta 420
ggataaatgc actaactcat gagtatgaat tatttacaat gaatgcaat gaaaatattc 480

agagtatgca aaagagattt acacatatag taaatca 517

<210> 10056

<211> 530

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10056

actctataga acactcgcgc gttgagaaaa atcaaacgac aataactttt gactttttgt 60

ctgattgact cccgtaatat atcgagaccc tcgtaattga aaacagaagc tctgagcaaa 120

ttcaaacgac aataactttt tactcggatg tccgattgag tcccgtaata tatggagacg 180

ctcgttaattg aaaacagaag ctctgagnaa attcaaacga caataacttt ttactcggat 240

gtccgattga gtcccgtaat atatcgagac gctcgttaatt gaaaatagaa gctctgagca 300

aattcaaacg acaataactt ttaactcggg tgtccgattg tgtctcgtag tatatcgaga 360

cgctcgtaat tgaaaacaga agctctgagc aaattcaaac gacaataact ttttactcgg 420

atgtccgatt gagtcccgta atatattgag acgctcgtaa ttgaaaacag aagctctgag 480

caaattcaaa cgacaataac tttttactcg gatgtccgat tgagtcccg 530

<210> 10057

<211> 518

<212> DNA

<213> Glycine max

<400> 10057

cccttcacaa agagaatcat cttgatatga taactttttt tgtcctctga caaggctatg 60

cttttgaagc tttgagatta accttaagct agcatgacca agcttcttat gtcaaacc 120

ataatgctct ttgactgaaa gtaggcatga aacttttgga ctgacagat caccaagttt 180

aatcttatac agatttcctt gtgtcttagc ctagaagagt gaagagtttt cttgttctc 240

aatgatacac atatccttgt taaaagtgac attgtatcca ctatcacata atttacttat 300

gctaagcaaa ttatgcttca accctttaac aagcaaaaca ttatctatag aaagataagg 360

aggaatacat actttaccta caccaattat cagacctttc tgattccggt cgaaagtgac 420

caccctacta aaaatagggc ttagggattg aacatagact tttcacttat catgtgtcgt 480

gagcaacccc tattcatgca ccacgactga tgtttctt 518

<210> 10058
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 10058

tcatgatgat gaaccatgca attttgatga tgccaattgc tctaactagt tgattcaaga 60
 ttgattcaag acttcagaat acaatccaag attcaagatt caagagaaga aatcaagaac 120
 caacaagtca agacttcata taggataagt attaaaatat tttttcaaaa accaaatagc 180
 acagttttgt tttacaaaag aatttttctca aatttttctaa gttaccagag tgattactct 240
 ctggtaatcg attactagtt ggtagtaaaag tttggttttc aaaatgtttt caaatggttt 300
 acaacgttcc aaaatgattt tcaaatagtg taatcaatta cactatatta gtaatcgatt 360
 acaagtgaat ctgaacgttg gaattcaaat ccaattgtga agaatcacia cttttcataa 420
 aatgaagtgt gtaattgatt acacctttgt ggtaatcgat taccagtga cagttttgaa 480
 gaagaagtga agagttatta ctcttaacat 510

<210> 10059
 <211> 633
 <212> DNA
 <213> Glycine max

<400> 10059

ccgcttcatg atgaatcaaa aatgattcaa aggtgttttg atgataacaa tgatgacaac 60
 aaaagataat gacaaagggtg atgaacaaaa agctcaaaag atcaaagaac aactcaagt 120
 aatcaaagaa catctcaagt gaatcaagaa caagtcaaga gttcaagaat caagaagaat 180
 tcaagactca agaagaaagc ctacaatcaa gattcaagat tcaagatctc aagaatcaag 240
 atcaagattc aagactcaag attcaagaat gaataaaaga ctcaatcaag ataagtatta 300
 aaaagttttt tcaaaacttt gaatagcaca tgagtttttg ataaaacctt taccaaagag 360
 tttttactct ctggtaatcg attaccatat tggtgtaatc gattaccact agcaaaatga 420
 gtttgaaaaa gttttcaaac tgaatttaca atgttccaaa ttttttcaaa ctgtaatcga 480
 ttacaatgtt tttggaatcg aataccagtg tccttgaacg ttgaaattca aatttaaagt 540
 tgaagaatca cattgtttca ctcaaaagct ttgtgtaatc gattacactt attttgtaat 600

cgattaccag tgtttgtttc tgaaaaatct aaa

633

<210> 10060
<211> 468
<212> DNA
<213> Glycine max

<400> 10060

caccttccat caagtgcgga ccctcaagga aatccacat tttttccatt tttcggagcc 60
ccataaatgt tattgcctag cgctattcat gtgtcctcca ctttcgagtt tggagctatg 120
tttcatgatt gcctaagtgc ggaccctcaa ggaaatcctc cattctcccc ctttttcgga 180
gccccatgaa tggtattgcc taacgctgtt catgtgtcct ccaccttcga gtttggagct 240
atgtttcatg attgcctaaa agcggaccct caaggcaatc ctccattctc cccctttttc 300
ggagcccat taatgttatt gcctaccgct gtccatgtgt cctccacctt cgagtttgga 360
gctattgtta catgattgcc taagtgtgga ccctcaaggc aatcctacat tctccccctt 420
ttttggagcc ccattaatgt gattgcctac cgttgtgcat tggtcctc 468

<210> 10061
<211> 301
<212> DNA
<213> Glycine max

<400> 10061

tgagctgtcg agaagcatag gccactactt gtccccgctg aataagcact ccacccaaac 60
gcatcttata tgcatcacag tacaccacaa agggttcact tgggttaggt aacactaaaa 120
ctggtgcagt ggccaacctt tccttaaggg tacggaaact attctcacat tgggcatccc 180
acacaaaaac tagaccctta cgagtaagct tagtcaaagg tgaggctagc gttaaaaagc 240
cctctatgaa tatacggtag attcctgcta taccacagaa actccttata tcaaacactg 300
a 301

<210> 10062
<211> 364
<212> DNA
<213> Glycine max

<400> 10062

ggtattgaca agcgtgctat tgagaggttt gagaattaag ctgctgagat gaacattatg 60
 tcattcaaat acgcctgggt gcttgacaag cttaaggctg agcgtgagag aggaattacc 120
 attgatattg cattatggaa gtttgagacc accaaatact actgcactgt tattgatgct 180
 ccacgacatc gtgatttcat caagaacatg attactggaa cttcccatgc tgattgtgct 240
 gtccttatca ttgattccac aactggtggt tttgaagctg gtatttccaa agatggacag 300
 actcgcgagc atgctctact ttgccttacc cttggtgtca agcaaatgat ctgttgctgt 360
 aaca 364

<210> 10063
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10063

agcttgttag gagctgtcgg tgaataaagg tcctcaccat ccatttcaat tttctccaac 60
 tccctaccac atatggtaaa aataaacatt aacttctatc aaagacacat tgaaaattta 120
 acataaaaat ccacaataaa aataagcctt cagacanttgc gccagtacct ccggatacca 180
 gctcggcgtt cttcttttagg gagtggaaat agtacaccag agatggatgt aactttgtca 240
 aagaaatcaa actctctttt aaatatgtca agtgcctttg gattaaaacc atcaattata 300
 cgctgcctta ccgctggcag caggtctaga aatgaaccat tctgaaataa aaatacagag 360
 ataaaatcta taaagtatga tgtaaaaaaa a 391

<210> 10064
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 10064

tgtaccttgg aaacacatca aatattcact tattagctac attggattgg gcttctacca 60
 attcaattaa atttattttc aaccacacac atcaaattatt cacttagtgc atgtgaaatt 120
 acaaaactac ccctaataca aaaaactagt ctaggtgccc taaaatacaa gggctgaaaa 180
 atcctatatt totaaagtac tctacctaca ttatggagcc ctaaatacaa ggcccaaaaa 240

taatgaaacc ttaatctaatt atttaciaag ataagtgggc tcatacttag cccatggggc 300
caaaatctat cctaagactc ataagaaccc t 331

<210> 10065
<211> 376
<212> DNA
<213> Glycine max

<400> 10065

agctttggaa tatttcaagc aagagtttgg agtgcacatt gaagttacaa agatgtggag 60
agctatgaaa gaagcaaagc aactagtggg aggggaatgag aggaaacaat atgccaaagt 120
atttgattat gcacatgaat tattaaggag caatcctgga tcaacagtta agatcaacac 180
agtgccaaagt ccagaaggtc caccacaatt gcagaggcta tatatttgtc ttgctggctg 240
taagaagggg tttgttgctg gatgtagacc attcataggt ctagatggat gttttctaaa 300
gagtgcattt ggaggaaact ttctctctga tgttgggctt gatggaaata accacatctt 360
tgttattgct tatgtt 376

<210> 10066
<211> 335
<212> DNA
<213> Glycine max

<400> 10066

aactttttac tcggatgtcc gatagattcc catcatatat caacacgctc gaaattgaat 60
gttgaagctc tgagccaatt caaacgacaa taacttttta ctggatgtc cgactgagtc 120
tcgtaataata tcgacacgct cgaaattgaa tgtcgaagct ctaagcctat tcaaaccaca 180
attacctttt actctgatgt ctgattgagt gacgttatat atcgggacgc tcgaaattga 240
atgttgaacc tctgagccaa ctcaaacgac aataactttt tactcggatg tctgattgag 300
tcccgtaata tatcgagacg ctcgaaattg aatgt 335

<210> 10067
<211> 380
<212> DNA
<213> Glycine max

<400> 10067

agcttaaaca ttcaatttcg agagtctcgt tatattacgg gactcaatca gacatccgag 60
taaaaaagtta ttgtcgtatg aattggctta aagcataaac attcaacttt gagcctctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagtc attgccgttt gaatttgctc 180
agaggctcaa aattcaattt cgagcgtctc gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtcttt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300
cgatatatta cggcactgaa tccgacatcc gagtaaaaag ttattgtcgt ttgaaattgc 360
tctgatcttc aacattatat 380

<210> 10068
<211> 444
<212> DNA
<213> Glycine max

<400> 10068
gacgctgtaa tgattatagc atgcacacac acacatatat atgtatatga attgttttaa 60
taaattagga attaatagtt caaataataa aattaaattg aaggaaatta atatattaag 120
attcaatgat aaatactttt aatgcatttt tagtttaatc atttattaac tctttttaat 180
ggaaaataat atagttcaat ttaatatatg catgttttgt gccatgtaaa tattaatatt 240
gtgtgatgtg tatatgattc atgagggtgtg ataacatgtt gctttgggat tataacattg 300
cgattgaaat tgaatgcatg tgataaattg agtatgtgtt gaattgtaag atacatgtgt 360
attgagatgt tgtatgcatt gagtagtgag ttatgaattg tgcaatcaca caattgttag 420
accatttaac atgtagcttt gggg 444

<210> 10069
<211> 371
<212> DNA
<213> Glycine max

<400> 10069
agcttgtcat cgattacaca catactgtaa tcgattacca gtgtagattt tcagaaaata 60
ttctcaattg tcacatcttt tcatttggct ctcgaatggc tatcaaaggc ctatatatat 120
gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaaaggtc ttatcctctt 180
aaaaagaaaa atcgttttat cctcttacaa attccttggc caaaacactt gtgattcaat 240

aaggaattat ttgagtgtct aaattgttca atctatctct ttcaagagag attacttctt 300
 ttcttcttct ttattctgaa aaagaattaa gagaccgagg gtctcttggt gtaaagaaat 360
 ctgaacacaa a 371

<210> 10070
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10070

tcaagtttta agttctttct caaactgtcc taagctaagt tcccaaagtc ctattaacaa 60
 cttccgtttg cccatcggtt tgtgggtgac aagcggttga aaataacaat ttagtgccca 120
 acttgctcca caaagtcctc caaaaatgac ttacgaactt agagtcccta tcactaacaa 180
 tgctccttgg caaaccatgg agtctcacia tctccttgaa aaacaaatca gccacatggg 240
 aagcatcatc aactttttta catggaataa aatgagccat tntagaaaac ctatcaacaa 300
 ccacaaaaat ggaatctcta ccattgcttg tttttggcag ccctcaaaca aaatccatgg 360
 attaaataat t 371

<210> 10071
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 10071

agcttgaaat tgaacaacgg aagctctcga gaaaatcgag tggtcataaa ttttcacaca 60
 gatgtccgat tcgggggaaat aatatatcga gacgcacgaa attgaacaac ggaagctctc 120
 gagaaatttg aatggtcata acatttcact cggatgttgc atccggggac ataatttatc 180
 gagacgctcg aaattgaaca accgaagctc tcgacaaatt ataatggctc taactcttca 240
 cgcgaaatgtt cgattcgggg acataactca tctagacgct cgaaattgaa caacggatgc 300
 tctcgaaaaa tttgaatggt cataagtttt cacacggttg ttcgattcgg gaacataa 358

<210> 10072
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 10072

atttgagaag ctagatcctt atctatccac acccctctat taactaaaat aactttctta 60
aaaataatta cggatgaaaa taacgcagca aatattcaaa catcgacaca taattactag 120
tagcatataa atatatatat atcagggtgt tacgactctt ccagccttat agaaatttcg 180
tcctcgaaat ttaccttact cacacaagga tgggtgagct tctcacatct gactatgtaa 240
ttcccatgtg gcatcttcta ctgatgcacc tcccagatc accttgacca acagaatctc 300
ttccctctt aggtgttatg ttcgcctatc ctogat 336

<210> 10073

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10073

ggccgccacg gagtnttccg actatgctct tgtgtggtgt aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgacgaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagttgc aagagtttgt tgaaatggat gattcgcttc aaaaaacaat 360
ccaagtggag caacaat 377

<210> 10074

<211> 394

<212> DNA

<213> Glycine max

<400> 10074

agcttcggaa ttccatttcg agcaactcga tatattacgg gactcaatca gacatttaag 60
tgacaagtta ttgtcgtttg aatttgctca gagcttcaga attccatttc gagaaactcg 120
atatattaca ggactaaatc agacatccga gtaaaaaatt attgtcgttt gaatttgctc 180
agagcttcgg aattccattt cgagcaactc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgaatttgct cagagcttcg gtattccatt tcgagaaaact 300
 cgatatatta caggactaaa tcagacatcc gagtaaaaaa ttattgtcgt ttgaatttgc 360
 tcagagcttc ggaattccat ttcgagaaac tcga 394

<210> 10075
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 10075

ctacgtgata aaacctaaat gtaaataaaa ataaaattat ttttttataa aaaatctcat 60
 acattatatc attataattt tttatggaaa tcattatttt tttttttgca aaataaatat 120
 tgaaacaaaa ttaagaaaat gaatgaaaaa atgtaaattt aataacacat actcaaacga 180
 ttaaaagtcg atacaatatt atacccatgt taatttgaag atgtcataaa agatttaatt 240
 gaaattgaga atattttaa atattaaatcc atatttactg actttcattg cttaaaataa 300
 ataaattagt gtgagttaaa tttggaatga aaaaaaaagg tggacatcct ttaactagca 360
 cggatactct cactcaacaa ctatctttta tataatatat gatctg 406

<210> 10076
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 10076

agcttcacca tcagatggat gacatatgat ggtcaggtcc ctttgattct cactatgcc 60
 tctcatgtga gatgtggtgg ccattgaaga gtacaatctt tgaagtcttg gaattagagg 120
 aaaatatcac attttttaat caaaattttc ttttcaatcc ctttcattgt gatagtcag 180
 tactgaccct tttgatagac aaagcaattt gttatgcttt tatctgggtt ttttttccag 240
 tagcatgtca cctacatatt gagataccgt tctgacatat tataattaga tttgaagctt 300
 atagcttcca aagtatctaa caattctttt ttattctcac atccttccca tagaggtggt 360
 tgagaaacat caagcatata aaagaattct tgagc 395

<210> 10077
 <211> 391
 <212> DNA

<213> Glycine max

<400> 10077

agcttccaag aatcaagatc aagatttaag aatcaagaaa agaattaatc aagatttgta 60
tgaaaaagtt ttttcaaaaa ctgactagca catggatttt tctcaaaaca tgtttaccaa 120
agagttttta ctctctagta atcgattacc agattgttgt aatcgattac cagtagcaaa 180
atggttttca aaaagctttc aactgaattt acaacgttcc aattgatttc aaaatgttgt 240
aatcaattac aatgttttgg taatcgatta ccagtgtgct tgaacgttga aattcaaatt 300
caaagtgaag gagtcacatt ctttcacaaa aaagctttgt gtaatcaatt acactgattt 360
ggtaatcgat taccagtgat agtttctaaa c 391

<210> 10078

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10078

tccttaagaa gattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 60
gctcacctca ttgagatgag aagctagagc ttagctacac accccctata ataactaagc 120
tcaccccat ggcaaaatac atgaaaatac aaaaaaaaaa tccctactac aaagactact 180
caaaatacct cgaaatacaa tgctaaaacc ctatactact agaatggcca aaatacaagg 240
cccaaacaaa ggaaaaacct attctaatat ttacaaagat aagcgggctc atacttagcc 300
catggactca aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360
ggtccaatct acttggagtc ttttatccaa tgcccttgcg gggtaggatn gcatcattcc 420
ctccaccttg gaaaggattt gacctcaaat ctt 453

<210> 10079

<211> 427

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10079

ctgagccaat tcaaacgaca ataactttnt actccgatgt ctgattgagt cccttcatat 60

atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgag tcccgtaata tatcgagacc ctcgaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacgtt ttactcggat gtctgattga gttccgcaat 240
atatcgagac cctcgaaatt gaatgttgaa tctctgagcc aattcaaacg acaataactt 300
tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgnctcgaaa tgaatgttga 360
agctctgagc caattcaaac gacaataact atttactcgg atgtctgatt gagtcccgta 420
atatatc 427

<210> 10080
<211> 376
<212> DNA
<213> Glycine max

<400> 10080
agcttcaact ttcaatttcg agcgtctcga tatatgacgg gactcaatca gacattcgag 60
taaaaagtta ttgtcgtttg aattgggtca gagcttcaac attcaatttc gagcgtctcg 120
atatatgacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatcggctc 180
acagcttcaa cattcaattt cgaggggtctc gatatattgc gggactcaat cagacatccg 240
agtaaaaagt tattgtcgat agaattgggt cagagcttca acattcaatt tctagcgtct 300
tgatatatga cgggactcaa tcacacattc gagtcaaattg atattgtctg ttgaatcggc 360
tcagagcttc aacatt 376

<210> 10081
<211> 333
<212> DNA
<213> Glycine max

<400> 10081
tgctgaccca tggcagcttc tactatctcc cacactctgt gtggtggtcc atactcgtat 60
cgtcttgagc gtctcaagag ccactgggac cccattttcta ccaactacaa aacctgaaaa 120
aactatatta tctacacagc aaagtacact tctctatatt tgcttatagg gtgatgttcc 180
taaggactga aagaacttga ctgagatgta ctaactgate atctaggctc ctactatata 240
ctaaaatatc accaaaatgt acttctacca atctacctat gaaattcctt aagacatgac 300

ccataagcct cataaaggag cttggtgcat tac

333

<210> 10082

<211> 382

<212> DNA

<213> Glycine max

<400> 10082

agcttgacaa gccggcttgt ttaactaaca atattaataa caacaacaac aacaacaaca 60

acaacaacaa caacaataat aataataata ataataataa taataataat aactttatatt 120

tatcaaattct tatcttattc agattttatt ctatctagat tttattttat cccaatttta 180

ttccatctag attttatttc gtctcgattt tatttcatcc aatcttatct tatcttgtgc 240

agattttatt ttatttcggt tatgatcttg gacttaaaat agattagtga gctttgggac 300

tgatgaccta tataacaaca ccaaggtttt agtttaggga gtattttttc ggagaggaga 360

ataattctag gatttttagaa tt 382

<210> 10083

<211> 423

<212> DNA

<213> Glycine max

<400> 10083

tgatcgtctc gatatattat gcgcctgaat cgcacatccg agttaaaggt tatgaccttt 60

tgaatatctc gagagcttcc attgttcaat ttcgagcgtc tcaatatatt atgcgcctga 120

atctgacctc cgtgtggaaa gttatgacca tttgaatttc tcgacagctt ccattgttca 180

atttcgagcg tctcgatata ttatgcgcct gaatcggacc tccgagtga aagttatgac 240

catttgaatt tctcgagagc ttccgttggt caatttcgag cgcttcgata tattatgcgc 300

ctgaatcgga catccgagtg aaaagttatg accattttta ttgctccaga gctttcattg 360

ttcaattttg aacgtctcga tatattatgc gcctgaatct gaccttcgag tggaaagtta 420

tga 423

<210> 10084

<211> 370

<212> DNA

<213> Glycine max

<400> 10084

agcttttgag caattcaaat ggtcataact tttcactcgg aggtccgatt caggcgcata 60
atatatcgag acgcttgaaa ttgaacaacg gaagctctcg agaaattcaa atggtcatta 120
cttttcactc ggagggtccga ttcaggcgca taatatatcg agacgcttga aattgaacat 180
acggaagctc tcgagaaatt caaatggtca taactttcaa ctcgagggtc cgattcaggc 240
gcataatata tcgagacgca cgaaattgaa caacggaagc tctcgagaaa ttcaaattggt 300
cattactttt ctcaccgagg tcagattcat gcgcataata tattgagacg ctcgatttta 360
acaacggagc 370

<210> 10085

<211> 391

<212> DNA

<213> Glycine max

<400> 10085

agcttcaaga attatggcct catcaaacta cttgtttccc gagggaaatt ctataaacag 60
acctcccatc tttaatggag tgggttacca ctactggaaa acctgcatgc aaatctttat 120
agagacaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180
aatagccgga agtgcaacaa tagaaaaacc tagagtagat tggactaagg aagaaagaag 240
attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaataaatga 300
atactttagg gtttcaaatt gtaaaagtgc taaagatatg tgggatacac tacaagtaac 360
acatgaaggc acaacagatg ttaatagatc t 391

<210> 10086

<211> 456

<212> DNA

<213> Glycine max

<400> 10086

gctaataaat tcatctatgg attgaaacaa gcctcttgct aatagtatct aaaatttcat 60
gagatcatca attcatttgg tttttaaaag aacatcataa atcaatgtat ataccaaaag 120
gttagtggga gtaagatttg ttttcttgta ttatacgtga atgatatttt gcttgcaact 180
aattataagg atttgctata tgagggtgaaa cactttcctt catagaactt tgatatgaag 240

gatatgggag agacatctta tgtcaatggc attaagatcc ataggaaaag atctcgagac 300
 atttttgggtt tatctaagag acctatatta acaaagtttt aaagagattt aacatgaaaa 360
 attgttcacc aagtgtagct cccattgtga aagggtgaaa actcgatttg aattagtgcc 420
 cgaaaaatga ttgagtgaga acacatgaag aatatg 456

<210> 10087
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10087

tctacattca atttcgagct ttctgatata ttacgggact caatcggaca tccgagtaaa 60
 aagttattgt agtttgaatt tgctcagggc ttccggtattc catttcgagc gtctcgatat 120
 attacgggac tcaatcggac atccgagtaa aaagttattg ttgtttgaat ttgctcagag 180
 cttctgtatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240
 aaaagttatt gtagattgaa tttgctcagg gcttcggaat tccatttcga gcgtctcgat 300
 gtatgacggg actcaatcag acatccgagt aaaaagttat tgtcgttaga atttgctcag 360
 agnctcaaca ttcaatttcg agcttttcga tatattacgg gactcaatca gacatccgag 420
 taaa 424

<210> 10088
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 10088

agcttgtatg ttacagtgc aacgattggg ctagagataa agatgatcgg aaaagtacca 60
 atggatttgt gtttttcata gggaacacaa cgttcacttg gatgtcaaaa aagtttccaa 120
 tagtcactct ttcgacttgt gaggcagaat acatagcagc tgcttcatgt gttttccatg 180
 tagtttggct caggaatttg ttaaaagagt tgggcatgtc acaagaagag acaaccaaga 240
 tttttgtgga taataagtca accattgctc tagcaaagaa tccagtgttc catgatcgaa 300
 gcaaacatat tgatacatgt taccactaca taaggaagtg catagcaaga aaggatgtac 360
 atatagaata tgtgaagtct c 381

<210> 10089
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 10089

agctttgagg ggatttttgg gcttaactgg ttactacagg aaatttgtga aagattatgg 60
 gaagattgct aaaccactca gtgatttggt gaagaaagga gcttttaatt ggagtgcagc 120
 ggcaactgag tcctttaatg cacttaagga cgcattaacc cactctccag ttttgacttt 180
 accaaaacttt aaggaacctt tttccattga atgtgatgct tgcggaacag ggatcggagc 240
 tgtgttaaca caagggaaac gtccagttgc atatttcagc aaagggttag ctacttcagt 300
 ttttaagtaaa tctgtgtggg agaatgtgga tgtgattcag aatctatttc ctgaaattaa 360
 ccttgagga 369

<210> 10090
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 10090

gagcaattcc cttatgttat caaacataaa aagggaaaag gtaatattgt agccgatgct 60
 ctttctcggc gtcattgcatt actttctatg cttgaaacaa aattgattgg tcttgaatgt 120
 ttgaaaagca tgtatgaaaa tgatgaaact tttggagaaa tttttaaaaa ttgtgaaaaa 180
 ttttcagaaa atggtttctt tagacatgaa ggctttcttt tcaaagaaaa caaattgtgt 240
 gtgcctaaat gttctactag aaattttctt gtttgtgaag cacatgaagg aggtttaatg 300
 gggcattttg ggggtccaaaa gactctagaa acattacaag aacattttta ttggcctcat 360
 atgaaaaagg atgtgtagaa attttgtgaa cattgcattg tat 403

<210> 10091
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 10091

agcttgtcaa acattggtaa agcatctata attcatttta ataaatctta ctaaacttaa 60

ctgagttttg tgccaacaac tataagaagg aatgcaactt aaaaaagaaa aatgcagttc 120
aatcattctt tctccttgtg tttctttccg tccctcctaa aaacaccata tcacaaatga 180
tgcaatctta ccccaacaagg gcattggata gaagactcca agaagattgg gccagagatg 240
caagagaagg ccctaggggt ctcattgagcc ttagggtaga tttcagacc atggacaaag 300
tatgagcccg cttatctttg tacatattag attaagggtt cattattttt ttttccttgt 360
atttagggct ccataatata ggtaagggtac cctag 395

<210> 10092
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10092

ttttactcgg atgtctgatt ggggtcccga anataacgaa acgctcgaaa ttgaatgttt 60
aagctttgag ccaattctaa cgacaataac tttttactcg gatgtccgat tgagtctagt 120
aatatatcga cacgctcgaa attgaatgtt gaagctctaa gcctattcaa acaacaataa 180
cgttttactc ggatgtccga ttcagtgcgc taatatatcg ggacgctcga aattgaatgt 240
tgaacctctg agccaactca aacgacaata acgttttact cggatgtctg attgagtccc 300
gaaatatatc gagacgctcg aaattgaatg ttgaagctct gagccaattc aaacgacaat 360
atacttttac tcggatgtct gattgagtcc cgtgataat cgag 404

<210> 10093
<211> 370
<212> DNA
<213> Glycine max
<400> 10093

agcttaaaca ttcaaatttg agcgtttcgt tatattacag gtctcaatca gacatccgag 60
taaaaagtta ttgttctttg aattgggtca gaggttcaac attcaatttt gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagt attgatgttc gaattggctc 180
acagcttcaa cattcaattt cgagcgtctt aatatattac gggactcaat cagacatccg 240
agtcaaaagc tattgtcgtt tgaattggct cacagggtca acattcattt tccagcgctc 300

cgatatagta cgggactcaa tccaacttcc gattaaaaag gtattgtcgt ttgattggct 360
caagctttat 370

<210> 10094
<211> 398
<212> DNA
<213> Glycine max

<400> 10094

agcttctaata gatgttgcta tgttacatga tgtaaaaaag tgtccctcta ataaatttga 60
aatgaaagat atgggttgagg catcctatgt gataggaata gaaatattcc atgataggtc 120
acaaggattg ttgggattgt ctcaaaaagg atataccaat aaagtactaa agagattcaa 180
attggaaaag tgctctacaa ggattgttcc aattcagaaa ggggacaagt ttagtcaaat 240
gcaatgtcct agaaatgatt tggaacgaaa gaaaatggag tctatcccct atccatcagt 300
ggttgggagt ttgatgtttg cccaaacgtg tacacgaccg aatattagtt ttgttgtagg 360
aatgttgggt cgatatcaaa gcaatcctgg aatagaac 398

<210> 10095
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10095

tcattcttag aatgaagtat gtagcgatac atatatcgtg aataatcatc tataaagggt 60
atgaagtatt tcggactatt ngcatccatg tctggacaac atatgtctgt atgtatgatt 120
tctaataaat tagaactcct ctgtgcaccc tctttagact tgtagtttg cttaccctta 180
atgcaatcta cacaagtctt aaaatcagcg aaatccaaag tactaagtac tccttcattt 240
actaatcgct tgattctttc aatagagata tgcctaatac tccggtgcca caacatagag 300
gattctttat tcacaatata tcgttttaac ccaacagaaa cgtgcataga agtagcgtca 360
tttttgcaat taatcgaata aagaccatca accaattgac cacaaccaat tatttcagat 420
ttatt 425

<210> 10096
<211> 248

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10096

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 ccgggtgaca agtnatgacc atatgaattt ctcatagaca ttcattgttc aatttcgagc 120
 gtctcgatat attatgcgcc tgaatcggac ttccgtgtga caagttatga ccatttgaat 180
 ttctcgaggg cttccgctga tcaatttcaa gcttctcgat atattatgcg cctgaatcag 240
 acttccgt 248

<210> 10097
 <211> 375
 <212> DNA
 <213> Glycine max

 <400> 10097

 catgcaagct tcttgatata ttatgtgact gattcggact tccgttttat aaagttataa 60
 ccatttgaat ctctcgacag ctttggttgt tcaatttcga gtgtctcgat atattatgca 120
 tcttaatcgg acttccgcgt gacaagttat gaccattttt gttgctcgag agcttccgat 180
 gatcaatata cagcttctcc atatattatg tgccatgaatc ggacctccgt ttgaaaagct 240
 atgactattt gaatttctcg agagcttagg ttgttcaatt tcgagcgtct cgatatatta 300
 cgcacttgaa tccgaaatta gtgtgacaag ttatgaccat ttgattttct cgagaacatt 360
 cggttgtaat ttcca 375

<210> 10098
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10098

 ntctcaagag acttctttga gaagctagat ccttatctat ccacaccct ctattaacta 60
 aattaatttc cttaaaaata attacagatg aaaataacgc aacaaataat caaacatcaa 120
 acataattac taataatata tagatatata tatatatcag ggtgttacia ttggaattga 180
 tcttgatta gtgggctgaa ccataactaa aattcactaa tcataattac tgaaattttg 240

gctccaaagt ttgggtccac aaattcaatt tcaaattcaa gtaaaatttg aattgaaatt 300
 caaatttccc tctaattttg tgtgacactt aggctataaa tagaggatcat atgtgcgcat 360
 ttttttaact ttgatcattt gaatattaaa cttcagattt caaagctctt ntagagcaca 420
 aaa 423

<210> 10099
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 10099

gatccttaat gcaccgtggc atgcacgctt gaccagtaat tactcgtatg gtttgacagt 60
 tgaatccagg ttgttctctg tgtggagatg atggtacagc cggcgaacca caagctgaaa 120
 tttcttttgg cgaggccgcc atggaaaagc ggagcgtttg gaatgattta cctgatctca 180
 gagaattatc ggaaaatgct gccgaaaaca ctaatgccat gctgatatta atttgaatga 240
 agaatgtata ggggcgtgtg aagcaaccgt cgaattcatc ttggcttaac agtgaacgtg 300
 ctattaatgt taactgattc gatagggcac ggctcagatt gcagtatctg ctataattcc 360
 tctagcaaac aaatgcccat cttgccctc agttattcag actgatctgc atccaaagcc 420
 tttgtgaaaa t 431

<210> 10100
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10100

gctggcttaa agatgtctct gattaattaa ttattttaaa actctagtga aatactaact 60
 aaaaaaagaa acttataaaa tttcatataa atattgtaca aatccaaaaa taattgataa 120
 acaaaatcat attgaattca agtcgttaaa gcacaaagta taataaaaga aaataaaaag 180
 agcataatat taaaaaatgt atggattagg tcttcagcct caaagcttac aaatctatct 240
 taagtctaag cccataaacg aaataaaata aaatctagac aaaataagat aagattggat 300
 gaaataaaat ctggatggaa taaaatctgg ataaaataaa atctagatgg aataagatat 360

agataagata agatttgata aaataaagtt attattatta ttagttaaac agaccgactt 420
atncaagctc aacaaacttt ttttatag 448

<210> 10101
<211> 371
<212> DNA
<213> Glycine max

<400> 10101

agcttgctct gtgccaagct ctggtcttgg gccttcctca tttcaattct ccctttgtca 60
ttaaactga tgcttccggg attggtatgg gggccatcct ctcacagcat catcatcctc 120
ttgccttttt tcagcaaacc attttgctcg aaactgctcc gcgcttctac ttacgtctga 180
gagattgcta caatcattgt cgcggttaag aaatggaggc agtacctoct agggcatcat 240
tttatgattc tcacagatca tcagagctta aaagagctca tggctcaagc tgtgcaaact 300
ccagatcaac aaatttattt ggcaggctta atgggctttg attatacgat tcaatatcga 360
gccgaaaag c 371

<210> 10102
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10102

cttctcgctg accaaggaga attattntct gacccaagta gatattggag ttaggcagat 60
ttctattctg atccaattgt aacaagacca ggcattcttt gttgtaagtg tggtcattag 120
aatgcagatg tcagaattct gatatttctt agaggatcac tagtaaaagg atggattagt 180
gtttgagaac agagggcata aggagattat tacctatact taataggaga tccacatatg 240
gatattgtgt tctattagga gtgaatctct ttcattggaaa acctcatgaa gcaaaatgcg 300
gttgcaaagt ccagagctga agcagaatat caagctatga ctctcactac ttgtgaacta 360
atatgtctaa aaacaaataa atgactcatt aaagagctaa aattntgtga ggtangaact 420
gagactaatn tgtgataatc atgcagctct tcatattaca tctaaccag ttttcgatga 480
gcataccaca catata 496

<210> 10103
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10103

agctntgacc attcgaattc gagagtgttc ncttgttcaa gntttatcgt ctcgatattn 60
 tatgtccacg aatcagacat ccgagtgaag tggtatgacc attcgaattt gtcgagagct 120
 tccgttggtc aatttcgagc gtctcgatat attatgtccc cgaatcgaac atctgagtga 180
 aatgttatta ccattcgaat ttctcgatag cttctgttgt tcaatttcga gcgtctagat 240
 gagttatgta cccgattcga acatccgagt gaaatgttat gaccattcga atttctcgag 300
 agcttccggt gttcaatttc gagcgcctag attattaatg tccccaaatc ggacatct 358

<210> 10104
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10104

agcttgaaag tgggggtccc cttangttca tctgttggtt ggattgaact gcctattgtc 60
 atcttgccag atagaacatg aagaatgatt actccaaatg tgtatatgtc acgtttctca 120
 gtaaagcatc ttgtggtgat gtattcagga gctaagtatc ccattggcaac actaactttt 180
 agagctaaga aaacaacttc atctgcaaga agcttaggta ttctagcatc tatgatcaat 240
 aggttaaact atgctctagg agaacatttt ccaactgaaat attctggtgg actattgtag 300
 gtttactttc ttatttgata tgaagatatc caatgcctgg tcataaatga ataacaaata 360
 ccaaacaaaa aaaagaagca gatattatct acaactatta atattttt 407

<210> 10105
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10105

agctgagggt ttaatttcac gatngtcacg tgctcatgca acaattgtta gtcgtggcta 60

tacgagacat cttgccaaac aaagtaaggt tagcgataac tcgcctgtgc tttttttttc 120
catgctatat gtagcaaagt cattgacccg gtcaagtttg atgagttgga aaatgaggcc 180
gcaattatac tgtgccagtt ggagatgtat tttccccctg ctttctttga catcatgatt 240
cacttgattg tgcacacgt cagagaaatc aaatgttggt gtcctgttta tctacagtgg 300
atgtacccga ttgagtata catgaagatc ttaaaagggg atacaaagaa tctatatcgt 360

<210> 10106
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10106

ntgatgncaa cattggagat gttaatgaaa caacgagatt atgttctcca tgagaggttg 60
gatcaaattg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaaag 180
aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggacaaaaa ggtgaagctt gccaccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgataca 360
tggaaggaga tgaaaaagat catgaggaag cggtagtggt cggctagtta ctcaaggagc 420
tcgaaattca agctccaaaa actaaccaa ggcaacaagg ggggtgagga gtatt 475

<210> 10107
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10107

gacactatga aactcaagct tgaggatttc aaacgacttt aactntntac tcggnattct 60
gatctagtcc cgtaatatat cgagacgctc taaattgaat gttgaagctc tgaccaaatt 120
cagacgacga taaattctta ctcgatgtc tgattgagtc ctgtaataata tcgagactct 180
cgaaattgaa tgctgaagct ctacgcaaat tcaaacgaca ataactttat actcggatgt 240
ctgaatgagt cccgtaatac atcgagacgc tcgaaattta atgtggaagc tctcagcata 300

ttcaaacgac aattacattc tactcctatg tctgatagaa tcccgtaata catcgagacg 360
 ctcaaaattg aatgttgaag ctctcagcaa attacaacga caatagc 407

<210> 10108
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10108

agcttcaaca ttcaatttcg aggttcntcg ttatattacg ggactcaanc ggacatccga 60
 gagaaaagnn ataggcatnc gcatccgctc agagcatcaa cattcaattt cgagcgtgct 120
 gatatattac gggactcaat ccgacatccg agtaaaaagt tattgtcgtt tgaatttgct 180
 cagagcttcc gcattcaatt tcaagcgtct cgatatatta caggactcaa tcagacatcc 240
 gagtaaaaag ttatggtcgt ttgaatttgc tcagagcatc aagattctat ttcgagcgtg 300
 tcgatatatt atgggactca atcagacatc cgagtaaaaa gttattgtcg cttgaatatg 360
 ctgagagctt ccgtattcaa attcgagcgt ctgatatat tac 403

<210> 10109
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10109

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 tcacaagttc ttcgagggaa ggttggtggag gggcctcaac tgttggttgt ttctgggggtt 120
 gttgctgttg ttggattggt ggaggaatgt atggtctgct tgggccagca gcattttgga 180
 aggaaggagc angctgctgt tgttggtgct gagggctgga ccatctgagg ttaggggtgat 240
 tcttccatcc agggttatat ctgttgctgg agaggtcata attgttctgc tgtgggtgat 300
 tttgctgctg aggttgagga ggtctattgt aaata 335

<210> 10110
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10110

agcttgtaat cgattacaca catactgtat tgcattttct gaagagttnt ttcagaaaac 60
attctcaaca gtcacatctt tttgtgtggt tcttgaatga gtatcatagg cctataaata 120
tgtgacttga gacacgaatt tgataagagt ttttcagaac aaaaaggtct taccctctta 180
taaagagaaa tcgtttttatc ctcttacaaa ttccttggcc aaattacttg tgattcaata 240
aggaattatt tgaatgctca aattgttcaa tctatctctt tcaagagaga tttcttcttc 300
tcttcttctt cattctgaaa agggattaag agaccgaggg tctcttggtg tgaaagaatt 360
ctaaacacaa aggaagggtt gtctgttttt gtgtgtntag aaactcgaaa aggaattaca 420
agatagtgga actctcaagc gggttgcttg ggact 455

<210> 10111
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10111

agcttccatt ttcaatttcg agcttctcgt tatattacag ttctgaatag gacanccgag 60
ttaaaactta ttgtcatttc attttactca gagcttccgt tttcaattac gaacgtcacg 120
ataccgtacg ggactcaatc ggatatccga gtgaaaagtt attgtcggtt gaatttactc 180
agagcttctg ttttcaatta cgaacgactt gatatcctac gggacacaat cggacatccg 240
agtcaaaaat tattgtcggt tgacttttct tagagcttcc gttttcaatt ttaagcgtct 300
cgatatatta gagagctcaa tcggacatct gagttaaag ttattgtcgt ttgacttttc 360
ttagagggtc cgttttgaan tcgagggtct cgatataata cagggtcaa tccgacattc 420
cagntaaaag 430

<210> 10112
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10112

tactcaagct tactacactt ctgcgagtgt gattgagagc tgtcataatt cttattgatg 60

cagntatgtg aatgtacagt tagcaaagcc gatacattct atcgtttggt tagttgagtg 120
cattgatgtc tatatcctac catagctctg ctttttatga cattcattat gatcatttga 180
taggtttctt atgagattaa caaaagatga cagtgaggtc aacttagcta atggcgaagc 240
agaacgtgaa tgtgcataat ggaaatgggc agaccctgaa gaagttattg agcagagtgt 300
gtggaaaaaa ggagatttga aataggtgta attttntcc atttgaaaga ctaataatga 360
atgatgactg attacaggca gtggactaca cgagaccaag ctatgaagaa gttatatgaa 420
ccttcaagcc ttactttcaa gggagt 446

<210> 10113
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10113

tcagggcttg aaactatgaa ggaacagcct cttttgtggt ataccagcat ctctaggaaa 60
cattncttcc ctaataaata tcagctttgg caccaactnt ctactggct ggattcccag 120
tgaattgggc aggtccatg atttgattga gcttgatctc agtctcaacc atctcaatgg 180
gactgttcca cctgctatat acaacttatt ttcccttgct aactttgcct tagcttcaaa 240
ctctttctgg ggtgagattc ctcatgatgt tggtcacaaa cttccaaaac tcatagtttt 300
ctgtatctgc ttcaattatt tcacaggtag aattccaggg tctttgcata acctcacaa 360
cattcangtc attcgtatgg cttccaacca tctggaaaga tcagtgccac ctggttttgg 420
gaaatctcca tttctttgca cgtataacat tcngtataac tggat 465

<210> 10114
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10114

agcttatgga atctagatta acatcngtgt aggcccaagt ttgagaatgt tctacaatta 60
gggctgctca aaaaaactaa ttnttaaaaa ataactataa ctagttataa aattataacc 120
agttntatag ttatttttat ttcaaataac tggtttttat ttaaaaaaat acatatagtt 180

ataaaactat aactagttnt atagaaatga ttatttcaaa taacttattt ttattcattc 240
 atagccagtt atgtaattga ttttagatat aaccggttat aactagaatt ggaatgttgt 300
 gaagtagaga agaaggcact agaagcagag ttccaaccag tacttgatcg aatatatgat 360
 aaagagactg ctngcaagga gacactangt aaaacacagg atgagtctgc tagaatatct 420
 canactatca gaaat 435

<210> 10115
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10115

gcaattcttc tagacttaga gtgataacat gcagttctct tgatccctta tcttttactt 60
 tctcgttatg ccgagactcc gaaaccacaa caagttttat cttttccatg tactcgaaac 120
 aaaactcagt agcttctttc gcaatgtact tttcaacaat aaatgcttca ggacggtgta 180
 gattctttgt ataccctttt aagatcttca tgtatcgctc aaccgggtac atccaccgca 240
 aataaatggg accacaacat ttaatttccc tcaccaaagtg aacaattaag tgaaccgtga 300
 tgtcgaaaaa tgaaggagga aaatacatct ccaactgaca caagataata gtagtctcat 360
 tttccagctc atttaactta agaggattaa tgactntgct acatatggca ttgaagaaaa 420
 aacacaggca agttacggca tgcttgactn tcttagaaaa aatgtctctt atcgccacaa 480
 ctaacaat 488

<210> 10116
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10116

gaaaacggaa cctctcaaga cactcanatg gngttatact tgtgacacgg atgtctgatt 120
 acggcgcata aaatatcgag acgctcttaa ttgaacaacg aatgctctcg agaaattcat 180
 atggtcataa cttgtcacac aagagtccga ttcatgcgca tagtatatcg agaagattga 240
 tattgaacaa cggaagctct cgagacactc aaatgggtcat aacttattac acggaggtac

gactgatgca cataataaat cgagacgctc gaatatgaat aacgaatagt ctccagacat 300
 tcatatgggtc ataaatgttg aaacggaagt tgcattcacg cgaatcatat atcgagaagc 360
 ttgaaattga ataacggaag ctctcgagac atgagatggg ataacttgca cacggaagtc 420
 cattcaggcg catctatatc aagagctcga aataacaatg aatgctctca gaattctat 479

<210> 10117
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 10117

tccatcacat ggagtcctct atttaggtgc aacaatttgt tggctcttgt gtgtcattgg 60
 acttgatggg ctctggatga cgatatggag actaaagtag tcttgggtcga taggcattga 120
 gtcttcgaca aagagtgcag acgaccatgt tggctctctat gatgtagctc cattggagct 180
 tgtaggccat ggatcttctt catcaatgga gtccattgct tcttgaattt taatggcagt 240
 ggaatggaga agaagaagag ttgagaggag acgcctcttc atgaagaaga tgagtctaga 300
 agaacctcac caccatagga agccatggat aagagcttga aagtatgaga agatgactgg 360
 agggagaggg agagaagggg cacgaaattt tgtgcctcaa atgatgtcta aactttgaag 420
 tgtaattctc acatgatcaa agattgaaaa atg 453

<210> 10118
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10118

agcttctntg agaaaacttc cttgagaagt tatagcttag ctacacacac ccctctcata 60
 actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc tagagcttag 120
 ctacacacac ctctctaata gctaagttca ccccatgac caaaaaacat gaaaatacaa 180
 aaaaaaaagt ccttactaca aagactattc aaaatgcctt gaaatacaag gctaaaaccc 240
 tatactacta gaatggccaa aatacaaggc ccagacgaag gaaaaaccta ttctaataatt 300
 taaaagata agcgggctca tacttagccc atgggctcga aatctaccct aaggctcatg 360

agaaccctag ggccttcctt tggatctcta gcccaatcta cttggagtct tcta 414

<210> 10119
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10119

agcttgaaat tgaacaacgg aagctctctt taatttcttg tggcataaan nntcacacag 60
atgtccgatt cggggaaata atatatcgag acgcacgaaa ttgaacaacg gaagctctcg 120
agaaattnga atggtcataa catttcactc ggatgttcga tccggggaca taatttatcg 180
agacgctcga aattgaacaa ccgaagctct cgacaaatta gaatggtcgt aacttttcac 240
gcgaatgttc gattcggggg cataactcat ctagacgctc gaaattgaac aacggaagct 300
ctcgagaaat tcgaatgggc ataagttttc acacggatgt ccgattcggg aacataatat 360
atccagacga tcgaaattga acaacg 386

<210> 10120
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10120

tacagatctg ttntaaatct aatcccataa ataaaataat atctatataa gataagatct 60
agatgaaata atatctagat gagatcaaat ctaaataata tctagataag ataaaatntg 120
gtagaataaa atagtctgct ctcttcaagt ccaagcccaa ttgcttataa ttctcctgaa 180
attaaattaa aaacacaaaa ttaatctagt aggcctaaat gataaaaactg cataattaat 240
ttgataatta agactaatca gtaattaaaa tgggtcaaaa aggggttaaga aataggagaa 300
aataatggca catcagtgag acatgaaaaa agatcatgga actcacaaag caagaagggg 360
gagaattagt tctaaatcaa atcaaaccaa aaaatacgag tttgagaaac tttctatcca 420
aggatcgtat cacannattg tgctaanaag ttctntaaac ttcagcaaat tgatcaagaa 480
tacaatg 487

<210> 10121

<211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10121

gcttcatgct taactatgta tggcaaaact ccattactgt tgttatgaca tacaagtgag 60
 tttgtaacaa atcttctaca cttggagtga tcacctgcag tcctcttgaa cccttaccac 120
 ccactctgtc atcatgccaa gactcaggaa gccaacagc ttagccttc tctaagtatt 180
 ctgaacaaaa ttcaatggct tcttctgcaa tgtacctctc aacaatagat gcttctggac 240
 gatatagatt ctttgtatac ctttttaaga tcttcatgta tcgctcaacc ggttacctcc 300
 accgtagata aacaggacca caacatttga tttctctgac cagatgcaca accaagttaa 360
 tcatgatgtc aaagaaagca gggggaaaat acatctccaa ctagcacagt ataattgcgg 420
 cctcatttcc caactcatca aacatgactg gattaatgac tntgctacat atagaatgga 480
 agaaaaagca caggcgagtt atc 503

<210> 10122
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 10122

tatagaaact aagctgtcac aaaccaacaa ttatattgat tcttcccgtt tgcttttctc 60
 attctctatc tcccttagct ataatacatg ttgatatttg gggctccctgt tcaaccactt 120
 ctatacatgg tcataaatat tttcttacta ttgttgatga tcataactaga tttgtttggg 180
 ttataccaat gtcttctata gctgaaactc aatctctttt acaaggtttt attaaatctg 240
 ctgaaaggca atttgataca aaagttaaag ttatttgctc aaataatggg gatgaattta 300
 tcattagtca tttctttcaa gccactggta ttattcatca aacaacatgt gttgaatact 360
 cccaacaaaa tgggattggc gacaaataac atcaacatct acttaat 407

<210> 10123
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10123

agcttatntt agtccatata ttgttttctt tattttacac actatatttt cctctcctgt 60
agaaacaaac cctttgagtt gattcatata aacttcttct tctaagtcac cattcagaaa 120
aggcgggtctt tagatccatt tggatgaagct ccaaatacaa tgagccacta aagccaacac 180
aagccacaaa gagtccttct tagaaacaga agagatagtc tctttgtagt tgatgcaatc 240
ctatccccga agggcattgg atagaagact ccaagtagat tgggccagag atgtaagaga 300
aggccctagg gttctcatga gccttatgat agatttcgga cccatgggct aagtatgtgc 360
ccacttatct ttatacatat ttgattaaga tttcattatt tttgggcctt atattt 416

<210> 10124

<211> 454

<212> DNA

<213> Glycine max

<400> 10124

agcttaagaa aaagcgatga tttggggcct tgacttatac tactcttttc ctaaataata 60
acaaaattaa ctaactttta tgctaattaa gttagtaa atcatcta tccactaatt 120
acatttaaga aacaaacttt tttcctaaaa tacccttcaa tggaacctaa tatcaaggac 180
aaaaggagtc attggaaata gaatctgaat taattgaagg gtatttttga gatagtatca 240
ttaaataggg tggaagtagt taggatttac ttatatgtgt caaaaaagg tttttttttt 300
gttgcttaaa attgatccgg aggagtaat acttattcta aggacttcat cattgtattt 360
gaaaagaaca atataaagaa tccctaccgt cggtggttct ggtaatagat atcaagttgg 420
gtctggtaat agttatcaag ttgataatag atat 454

<210> 10125

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10125

ctgaggcgtg caagcttagg agaacgatct tggaagaggg ccttaaagn tttatgagta 60
tccacctggg agcgactaag atgtactacg accttatgca gatgttttgg tggccgggta 120
tgaagagaga agttaatgag tttgtccttg cgtgccta atgtgcagaca gctaagatag 180

aacaccaaaa gccttttaggg tagctgcaac ctttagagat acttgagtgg aaatgggata 240
 acatcttcat ggatttcatg gcgggggttg ctaggacccc caaagggtta gattccattt 300
 gggttattgt agacaggttg acgaaatctg cttacttcat cctaattaac atcatatatt 360
 cctta 365

<210> 10126
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10126

agctttcaga attcgaaggt tttcgtttta cacagatgnc caanncgggg gcataatata 60
 tcgagacgct cgaaattgaa caacggaagc tctcgagaaa atcgaatggg cataactttt 120
 cacacgaatg ttcgattcgg ggacataact catctagacg ctcgacattg aacaatggat 180
 gctctcgaga aattcgaatg gtcataagtt ttaacacgga tgtccgattc gtggacgtat 240
 tatatcgaga cgctcgaaat tgaacaacgg aagctcccga gaaatttgaa tggtcataac 300
 atttcaactcg gatgccccaa ttcggaacat aa 332

<210> 10127
 <211> 453
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10127

acctgcggca tgcaagcttc tcanagaagc ctctcaagga agcttctcat acttatctac 60
 ctaaacctat ttcggtaaaa ttgttctccc ggattcgtta accggttgat catcttaaaa 120
 tcttttctgg aggttcctag gacaactgtc cacagtttga ctgttgcgat ttgcaatata 180
 acatttggtg tgtgagatat gaatttttta cggaagcaaa aaatttgagt gttgcaggct 240
 ttaaattagt gagattgtca gattaaccgc cttgtatatt tatgagattg tcagattaca 300
 tgggtgtgcca tctagcatag tgtctgatag agatcctagg tttacctcta gattntggga 360
 gagcctgaac agagcattgg gaaccaagct tagactacgt tcaacttacc atcctcagat 420
 tgatggccaa actgaacgga ccattcagtc act 453

<210> 10128
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10128

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 aagatgttca aaggtacaag cgaagcattg acattatcaa cgaaggcctg gcacttgtgg 120
 cactttctca cacaacaatc attttccata gtgagccagt aataccctgc cctcangatc 180
 ttccggggcca tggcatgtcc gttggcatgt gttccaaagg atcccttatg cacttccatt 240
 agcatctgct cagcctccct ggcataca caacggagca aaaccaaatc atggttcctc 300
 ttgtacagga tattttccact tangaaaaag tcggctgcca acctctgcaa cgttctcttg 360
 tcattgtcgt tggcatgtgt tccaaaggat cccttatgc 399

<210> 10129
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10129

cttcaatcaa tctttggcta tctacattag tgcaactact cncatcaata accaaagagc 60
 atatcttcct catgatcatg cacctaggat gataaatgtc ctccctctga gttgcgtctc 120
 tatecttaca cacactcccc attaacctcc taaccatcaa aagatcacct tccaggggct 180
 gtacatcaca ttcactttca ctctcactag aacaactaga agagctagaa gaagatgcac 240
 tagtgatatc ccattaccc aacacaacca tagtcctttt gttaggaaat tgggaggcaa 300
 tatgacccta tcctaaatac ttaaaacatc taatagaact cacctttaaa gaagtgggag 360
 taggggtaga attatntgta ccaagggcaa tactgatttc atg 403

<210> 10130
 <211> 224
 <212> DNA
 <213> Glycine max

<400> 10130

cacacacaca aacacacgca cacgcgcata ctctcactga cgcacacaca catacacagt 60
cacacagtga gacggacaca ctcacacaca cgggtggaaga agaatgatgg tttcgatctg 120
gataccgaga aatgacctgc agatgtcaga ctgggactat gcagagatag aaggaataca 180
catggctctt taagcactca acacagttca tgagccgttc tact 224

<210> 10131
<211> 298
<212> DNA
<213> Glycine max

<400> 10131

ttacaaaagca ttcattgtag ttcctacgta tattatTTTT atctTTTTtg atattacact 60
ctaaattgat atagactgat aaacaaatta aaaatagtat ttatattatg agacctattc 120
ttaaatggat agattaaaag gtgcaatgta tatatacaac tatgaagatg atatcaataa 180
tttaatcata tttatatgta acattgatca tgtctatttg attcataatt aattgaatat 240
ctcgaagaat ggcatgatt agttgataac tatagcgagg taaccaatat tattaat 298

<210> 10132
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10132

ntccttgccc ctgatatat ttgagggact catggtcact atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaagggtg gggaccactt aacttttcac taaaataagc aatgggatgg 180
cttcttgat taacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240
atTTTTgaaa gtttggaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac attnttcttg agcacttcat 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa cttgctaagc 420
catgaaaac 429

<210> 10133

<211> 318
 <212> DNA
 <213> Glycine max

<400> 10133

agcttctggt tcaataacga gcgtctttta tattactggc ctcaatccga catcggagta 60
 aaatggttatt gtcgtagaa ttgctcaga gcttctgttc tgtaattga gagtctcgat 120
 atactacgga acacaatcgg acatctcagt aaaaagttat tgctgtttga atttgctcag 180
 agcttctggt ctttaattacg agagtctcga tatattacgg gattcattcg gacatccaag 240
 tataaaagta ttgccgtttg aattgctcaa agcattcttt gtcaattacg agcgtttaga 300
 tatattaccg gattcatt 318

<210> 10134
 <211> 481
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10134

tacgcgacac tatgaaactc agcttaaggc aatccttctc tgctgatgtc cactactgta 60
 tctgttccaa atgttgagtt tcctacttca gctgctactg tcaataatac ttctaattatt 120
 gtttcaaatt ctaatgttac cttttctagt agtggttaatc tttggcatgc taggtagga 180
 catcctaatt atcatgtaat gaaaattggt ctcaaatagt ataataatttc tcaactgaat 240
 aaaaacatca cagagttttg ttctctctgt tgtatgggtc aagctcatag gttacccaaa 300
 gaaatttgat tataatttaa ttctgtggcg tcataagttg aaagttcata ttcttcggtc 360
 attgataaac aatttggttg acaatattca ataccatgtt acctcaactt tngtttattc 420
 atcttttagaa ctcatntca ctaacctatg gngaaccctc catgtacctc ttatgttgct 480
 a 481

<210> 10135
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 10135

agcttgatat taaacaacgg aagttgtcta taaattctaa cggtcataac ttatgacacg 60

gaagtcgat ttagtagcat aatatatcta aacgctcgaa attgcacaac ggaagctctc 120
gacaaattaa aatggtcata acttggcaca cggatgtccg attgtggcgc atgatatacc 180
gagacgctcg aaattgaaca acgaaggctg tcgagaaagt taaatgggtca taacttgtca 240
cacggaagta ctatatcgac gcaaaacata ctgagacacg tgcaatttaa caacggaaac 300
tggtcagaaa ttcaaatggc cataac 326

<210> 10136
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10136

agcttaacag caataaaaag catcaaagtt attcaaagat ttactcacat taactaccac 60
aagcacgatt gacagtgaaa aatcataaga tttgatttaa tgcctaattg cacacctgac 120
atccagtaga tcaactctaa ctcatgatga taagaaagga aacatgcaca acaacaattt 180
cattaccttc ctctaataag agctgaattg atctcttctc taactcaaca gcatgcttgc 240
taagttcaac tgaggacagg gagcgaagca ctgccaaagg atgagatatac agctatataa 300
natatcaaga acttcataag aaagctttga gggattatct aagggtcctg acatactttg 360
atatatcttc ttgtctgatt ggcccaattc tcaaaacatc tgcaattggt ggatcgctc 419

<210> 10137
<211> 445
<212> DNA
<213> Glycine max

<400> 10137

agcttcattc tacacctgaa aaagagggtt agttatttgc acaaaagaga aagcttccta 60
acaaaaaatt tcatgcagat ggaccttctt ctagtaattc tgacttacia tagcctcata 120
tccttcttcc attccacact agagcgattc caacaaaaa gatggaagaa gtggaaaagg 180
agatctttga gaccttcagg aaagtagagg tgaacatacc tctattagat gccatcaagc 240
agattccaag atatgccaag tttctaaagg agttgtgcac ccacaaaagg aagctcaaag 300
gcaatgaaca gattagcatg gacagaaatg tgtagcatt gataggtaaa tctgttctc 360

acattcctga gaaatgtaag gaccaggtta ctttttgtat accttgcatt attgggaata 420
gtaaatttga gaatgcatg ctaga 445

<210> 10138
<211> 390
<212> DNA
<213> Glycine max

<400> 10138

tgagaatgga gaattgcact aagcaatcac tacgcatagc ttcattctcg aaggtggagg 60
acacatgaac gaaaacgcaa ttcattgggtc tccgaaaaga ttgagaatgg agaattgcac 120
taagcaatca ctacgcatag ctccaaactc gatggtggag gacacatgaa tgaaaacgca 180
attcatgggg ctccgaaaag atggagaatg gagaattgca ctaagcaatc actacgcata 240
gctccaaact cgaaggtgga ggacacatga acgataacgc aattcatggg gctccgaaaa 300
gatggagaat ggagaatggc actaagcaat cactacgcat agctccaaac tcgaatgtgg 360
aggacacatg aacgataacg caattcatgg 390

<210> 10139
<211> 418
<212> DNA
<213> Glycine max

<400> 10139

gattatgcc tgagctgtag acttgtgaca ctacattaat atttcataat taattaaaat 60
tatattttga aaaattctat aatgcgctta agttcgatac tgattactta actttagaaa 120
attaatctga taagacattc tgacgtgctt ttttttcacg agtcttataa taactataat 180
cttcagaact aatgtaagtc aagtataaaa ataataagatt atataaatat gatttagata 240
aattatttat gattcaaaat caattattta actaccaatt aatctaatta ggtcaatttt 300
acaactctac tcctaattgga ccaatattaa ctatattatc tataattaac caatttctat 360
aaaatattat gtcttgatat ctgaaccaat ttattacaac tcaaactaat attttaat 418

<210> 10140
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 10140

tgtgtcacac tntcaattgt cgaagctgaa tacatttctt cttgaagttg ttgtgctcaa 60
 agtcttttga tgaagcaaca atgatgtaag ctccattgga gcttgtaggc ctatgatctt 120
 cttcatcaat ggattccttt gcttcttggga agatgaatgg cagcgggaatg gagaaaggaa 180
 gagagagagg agacgccact tcaaggagaa gatgagtcta gaagaagctc accaccatag 240
 gaggccatgg ataagagctt ggaggaagaa ggagatgaat gaaggagag ggagagaaga 300
 gcacgannat ttgtgctcta aatgagctct gagatctgaa gtttaatat caaatgatca 360
 aagttgaaaa aaatgcacac acatgacctc tattatagcc taagtgtcac acaaat 416

<210> 10141
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 10141

aagctttctta tttagatgat gctattgttt gtagctacct catgcactcc tctaatact 60
 atggcatcat ttctggcgct aaactgctgg gagttggagg ccatcttctc aattaaattt 120
 ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc tatcatactt 180
 ctctccatat tactgagtcc ttcataaaaa tgttggagaa gaagctgttc tgaaatctga 240
 tggtagagggc aactggcaca tagtttctta aatcgctccc agtactcata caggctctct 300
 ccactgagtt gtctaatacc tgagatatct ttctgatgg ctgtggctct ggaagcaggg 360
 aaaaaatttt ctaagaatac tctcttaagg tcatcccagc tcgtgatgga ccttggagca 420
 aggtaataca ac 432

<210> 10142
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10142

gatctctaag tcacgctgct gcagcttgcc aaaaggtttt gtttcttttc tttanagcc 60
 aaagatgctg ttgccacttc tatgcctga gagcttctac accttgactt gtttggacca 120

accacaactg catttttttc tggacacaca tattgtctgg tcatattgga cgattacacc 180
 aaatggacat ggggtcaattt tctaacctac aaggatgagt attttgatac cttttataaa 240
 ttacgtaaaa atattgaaca tgaaagaaat aattgtattt tttcaatcaa aagtgatca 299

<210> 10143
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10143

actcaagctt agaatgcaga agaagcaaca acaatcaatt taanattggt ctataaacat 60
 gcaaggcaaa aatgatggca ataacataaa tgagataagg gaagagagaa tgcaaact 120
 tatttatact ggttcggcca cttcccgctg ctacatccag tactcaagca acccacttga 180
 gatatccact aacttgtaaa ttccttttac aagtactaaa cacacaagga caacccttcc 240
 tttgtgttta gagattcttt acaacatgag actcacagtc tcttaatccc ttagagaatg 300
 agaagaagaa tatgaaccaa tctctctaca agagatggat gtacatatga gcactcaatt 360
 atttcttatg aattcaattg aatggccaac gaattttaaa ggataa 406

<210> 10144
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10144

cactatacga aactcaagct ntaggctctg cagtntatct tattaataga gngcctttat 60
 ttgtgnnaat ctttaagaga cctcttgata ccctttctca tcatttcacc cttaattttg 120
 tcaatcattt accaccctat attttttggt gtgccatata tgtgcatttg catcctcacc 180
 agcggaaaaa attagaatct agagtaatga aatgtgtttt tgtgggatac aacaccactc 240
 aaaagaagta ttaggccaat catccatcta caaaaaaaaaa ttgcatcaat ggatgttaca 300
 tttcatgagc atgaattgat ttttcccttg aatacacttc attcttcacc ataaagcgag 360
 ggggatgggg gtgaggtgtt ttcctaagaa aaatacaatg 400

<210> 10145

<211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10145

ctttgtnttt tggagtgtaa gagggcatga aaatgatagc ttgttggtga ggttccctct 60
 ttaggccaac atttgggtgag ggttgtacca tgttgattct tcgcacctag atgatgtgaa 120
 aatattgttc accatgtatg tgtgtatata tatagcatga aattgactgt caagtgtgta 180
 tatatagcaa aaaaaatgcc acccaaaata gagtaaattg aggtagcaaa aataccttgc 240
 caatttgtat atgtgttttag ataggttagca aataccttat aaatatgtat gtatgttgat 300
 ataggttagca aaatacctgg aaaatatgca tgtgtgttga tatangtagt gaaaatgtct 360
 tgcanatatg taggtatggt cataaaatgt ttctcttcaa gaaaaaatg tgt 413

<210> 10146
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10146

gctgaagttg tacatgacca atcttttagta atcgctttac tttttgcagt ttttgtattc 60
 gnttaaaatg catgaagata gatcagtagg agaacaattg gatttgttta ataaactgat 120
 tctagatctt gaaaatattg atgtcactat tgatgatgag gatcaagctt tgttattggt 180
 gtgctatttg cctaagagtt actctcattt caaagagact ttattgtttg gaagagattc 240
 tgtttctctt gatgaagtgc agactgctct gaattcaaag gaattgaatg aaagaaagga 300
 aaagaagtcc tctgcaagtg gtgaatggct gacagcaaga ggcaagacct tcaagaaaga 360
 tagtngaatt gataagaaga agcanaagcc agaanatcag aagaatggtg aatgaaacat 420
 cttcaaaatc agatgttatc ac 442

<210> 10147
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10147

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atgcttaacc cattatgatt tctgaatgtc atgctcatcc acacctacac aatcccatgc 120
aatcgcagct taaaaatata tagtaactat gttgactttt aattctacga aattctattt 180
ttttattaga aaacagtacc aaaagtactt aaggaaatgc atgtaagtta tgtcttttat 240
gaattttgat taaaaactct ctttatttca aagacattcc ttatttacca attaattata 300
tgacatccct agttgccatg gccaatatgt cagcacttga aaccttattc tggcagcgag 360
gtacactgtc aaccgcagca ttggctttga tcacagtgtc aaacccatca ccagctagca 420
ccacagaagc a 431

<210> 10148
<211> 440
<212> DNA
<213> Glycine max

<400> 10148

agcttataga atatataata aatttctttg acttttgaaa agtctataca tgtttccttt 60
gatgagtcta atgtcattct ttcaaggaag gatttttttag ataatatttc aaattcctta 120
gaagatacac atatttatgg aaatgactct aaagaaaaag atgaaggaag caatgaggat 180
tctcaagata atgggggctag aggaaataat gaacttccaa gagaatggaa agcctcaaga 240
gatcatcccc tcgacaacat tattggtgat atatcaaaag gggtaacaac tagacattct 300
cttaaagatt tatgcaataa tatgactttt gtatctatga ttgaacctaa aaatataaaa 360
gaagccatag tagatgataa ctggataatt gccatgcaag aagaactgaa tcaatttgaa 420
agaaataatg tgtggaaact 440

<210> 10149
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10149

actcagctng acaaccggct tgtttaagta ataataataa taatatatta ctattatcta 60
taccattntt atgacattat gaatgacttc atgaattgag ataaagtgtc taaagaattc 120

acttgcattgt gaaaaatttt caaaaagaaa aagactcaag ttaaaaggat aatgcaacca 180
gattaatact ttcaaagaaa aaaatgtttt gtaaagacat tttcagacaa tttaaatatt 240
tttatttgac tatattagta taaatcatct ctaatccatg tattttttta tattatactc 300
tctttttcat tttcttttga tatactntgt gtttaaataa cttgaattca atatgattnt 360
ggttatcaat tattnttgaa ttggatatta cttatacgaa aatntataag tttctttttt 420
aagtagtatt tactaggtnt ataaa 445

<210> 10150
<211> 427
<212> DNA
<213> Glycine max

<400> 10150

gagctttcac ctctacatt gagaacaact accttctctt tatagctgct taatttaggg 60
aagaactcct tcttatcaga aatcagataa ataataatgc tgccatcatc agtattactc 120
catccaggca taacctcgct tacagaatca ttttaagatga agcaatcaag tgagtccaaa 180
ctagcaattt tttgaagaac acttgccttg tcatatggaa ggccaacacc ataagaaatt 240
ccactatgcg ttctggacag gaagagtgtt cggatgagag actcagctac tggccggagt 300
aaagaaacag ttttatcatc accactttca gccaaagagta ctgattcatc caataacacc 360
cccctcacta taccatctg agagtggatg cagcactacc aaaacagaga atgagacagt 420
tatcatt 427

<210> 10151
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10151

catgcaagct aattataact tacttgctgt taatatataa caattatcaa aatttaaata 60
ttactttaac tatatgcaca aaaaattgggt gaacaaaaat cattcaaat tattatatat 120
gtacttgtca taattgagaa agaattgtaa taaatgcata gaaagaaaaa agagctttta 180
atttcattta gacatagttt gcaagaaggc ggaaaataaa tgatgcaaac ttaaggatat 240
tcatcattta gttactggct tttcatgtat aaaatccaac cttggaatag aatatcatac 300

attacacgca taggaattta attaatacag cacaaaatgt acataacaac aaaagaaatt 360
gacatgctaa caagaaaact atgatnatat tgggtggcaac agtatataag tatgacatac 420
tacatataag accttctatt ttat 444

<210> 10152
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10152

agctttgaaa aacactttnt attttaaatc acttggccaa acctttgcta attcaattag 60
gaattccctt cctaataattc tagtgatcat ctgatgttg tgacttgtaa tcttgaagta 120
ttgtcttgaa ttttaattctt gaaaagccca ttgcatcaa ttgcaacaca tcatcatgat 180
catcatcaaa acatcaaagc caattgcac tacacatgtg tcctccacct tcgagattgg 240
agctatgttt cagcattgcc taagtgcgga ccctcaaggc aatccgcat tctccctttt 300
tttttcggag acccatgaat gttattgcct agcgtattc atgtgcctc caccttcgag 360
gttgagcta tgtttcatg 379

<210> 10153
<211> 385
<212> DNA
<213> Glycine max
<400> 10153

gcttcatggc ttactgagga tggagaagtg caagtattga attctgtgga gttggatatt 60
tccattagaa agtataatga taagggtgtt tatgatgttg ttcctatgga ggccagccac 120
ttactcttga ggggaccatg gcaatttgat aagaggggta atcatgatgg tttaccaaac 180
aagatctctt tcacgtatca aggcaaaaag atagtgtc aaccattgag tccacaagaa 240
gtatgtaagg ataaaaaaaa atgagagaaa attcttcaag aaaagagaga aaaataaaaa 300
gagagtcaaa cacttgagat ttaaaaagtg aagacaaaa gagggaaaca caagagagag 360
aaaagatgag tgaaacactt tgagt 385

<210> 10154

<211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10154

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ntntattgta atcttgaaat tcaggacaac actctgattt ctgaaatttt tgggataaaa 60
atggtcattg atcattccct tctctctgac taaaccaa at taccagtgta cgggtgtacca 120
tttgaaggta cactgaatga cgactggaaa tttgatttct ctgcccataga tgcccgccag 180
ttggtttgca ccaacaatgt ggatatgacc ggacgtcttc ttgccgggtc attggctttt 240
gaaagccgca tccttcacta ttttaattgtg cgtattttgc ttccacgggtc ttccaacctt 300
gcccgagttt ctgaggaaga tctaattatc atgtgggcct ttcatcacagg gactcaactt 360
gactgggcac acttagtcaa atatcgcatg catatggcat tgcgaataaa tgcttcatta 420
ccatatccac agcttgtcac tc 442

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<210> 10155
 <211> 206
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10155

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tatgcagtgc actttctgag tatggtgttc ttggatttga attgcgctac tccatggcca 60
atcccagttc atcgatgatg tgcgaggctc agctagggtga ttntgcta at ggtgctcatg 120
gcatatttga caatttcttg gcttctgggtg aggctaagtg gctccgtcac actgggcgtg 180
atgtgttact tcctcatgtg tatgat 206

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<210> 10156
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 10156

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atgaaaggaa aagactcttg cagttgggtg gaacatatat cgacaagttt attgtttgtc 60
aaacgaacaa gactattact ttcttgtaaa tgtgtgagaa aatttttgga aagattcaaa 120
tgagcaagat atccaagttg cgaaatccag ttaggtattg gtccttcgat cccgttgtca 180

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gatagatcaa gatatattaa tatggactga tttatcaaga aactaggaat tcgtctcaac 240
 ttacaggaag ccaacattat atgcgtcata tgaggaaagg gtgacaggtc atgatcatcc 300
 ctaaagttta tatcaactga caaattgtta tgtgagaggc ctagttcaat taaattactc 360
 agcttgcgaa tcttgtccaa ttgtattgtg ccattaaact tatttgactt aagctgaatg 420
 acacgaagt 429

<210> 10157
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 10157

agcttaggac tcaatgaagt ttattctttt tctgattatt atgatagttt atatactggt 60
 tttccctttt ctcatagttt tcacagcagc agaaacttca tccatcacac aatcccagtc 120
 cctcagttac agaaagaccc tagtttcccc aagtggaaac ttcgaactcg gtttcttcaa 180
 tcttggaat ccgaacaaaa tctaccttgg aatttggtac aagaatattc cacttcaaaa 240
 catagtttgg gttgcaaacg gtggtagtc aatcaaggat tcttcttcca tcttgaaact 300
 agacagttct ggcaatttgg tccttacaca caacaacaca gttgtttgga gcacaagttc 360
 tccagaaaag gcacagaatc cgggtggcaga gctcttggat tctggcaatc ttgtgataag 420
 agatgagaat ggaggaaatg 440

<210> 10158
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 10158

gacaagtgga ctcatatc ttaagaagg gggggcagaa ttaacatc acaaactatt 60
 cccaattaa aaattctact tttaatttaa cccaacaacc caagattcct tttaacaag 120
 aactcctaaa taataatgca aattaatctt actaaataaa aataataagc actaaatact 180
 caagaagttt aggggaagag aaaatgcaca ctcatattta tactgggtcg gccactcct 240
 tgagcccaaa tccagtcccc aagcaacca cttgagagtt ccactatctt gcaaaatccc 300
 tttaacagtt ctgaaccaca caatgacgac ccttcctttg tgttcaaatt ttgttaca 359

<210> 10159
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10159

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 tatcttagga cacaccctat tgagatttgt gtagttgggtg cacattctcc atttaccgtt 120
 ggcctttttg actatgacaa cattgggtgag ccaaggagag taactaactt ctctgataag 180
 ttgggccttg aggaacttgt ccacctctc cttgactgcc ttgcgatgct cttctactat 240
 ctatctcttc ttctgtgaca ctggtttggc ctacgggcag atggcatgct tatggccttat 300
 aatgccaggg tgaatactcg acatgttaga tggctaccat gcacatagga atgcatttct 360
 gtgtgggaca ttagctatgc gtttatgcct at 392

<210> 10160
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 10160

agctattctt caacaaacaa atcaaaattt attttctgat cttcaaaacc tagctccagc 60
 ttcctcttcc ccatatcaac tatgcagctt gtgggtcaaca tgaatgggtt tcccaatatt 120
 acagggatgt cagtatcttc agagatatcc attaccataa agtctgtcgg gaagataaaa 180
 tgttttactc tgaccaacac atcttcaatt actccatatg gccgggtaat ggagcagtca 240
 gctaattgtc aagacattcg agtgggcatt atttccaact ctccgaatct tctgcacatg 300
 gagagtggca tcaaattgat actagctccc aaggcaataa gagcttttcc cacattgact 360
 ctgtcaattg aacaaggaat agttacactc ctacgaactt tatgcttggg t 411

<210> 10161
 <211> 250
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10161

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gctaacacct ctgcgctttg cctgaaaatc gcgaacatcg cgaaggtaaa tcttgaccgc 120
gcgtgcgccg aatgggttgg tctccgggcg gccgccgttc ttctcgtagg cggcgccgaa 180
gcggtcgatg acggcgtcga agctgccccca ggcttggcgg agcgggcagg gacatggggc 240
aagtgggttg 250

<210> 10162
<211> 417
<212> DNA
<213> Glycine max

<400> 10162

gcacctgcag catgcagcta gtgagagatt aacgattttt ttaattttat ggcaagcgca 60
ctctgatttc actagagcag gctctttggg tatcaatctt catgcagcta atcgagttgg 120
tatagttgat gggctcttga atccaacata tgatcttcag gccatctatc gatcatggag 180
gttagagcct gttactttat cccttaatca aaataagttg ccttctgatt taaaaattat 240
ctataaaaca taaagtttag aatgcgatgc gactgtctcc ttacggaga attcttcatt 300
gagcacgatc ttagctcatt gccttttttag aggggtttcc cttatttcta acaataagac 360
gtgatagttg agaccttcac tccttattac gcgaccgcca cattctcttt attcttg 417

<210> 10163
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10163

agaaactcag cttaacattc acttcgagcg tacgttatat tatatgactt attagacatc 60
cgcgtaaaaa gttattggcg nttgagttgg ctgagagctt caacattcaa tttcaagcgt 120
ctcgatatat gacgggactc aatcagacat ccgagtaaaa agttattgtc atttgaattg 180
gctgagagct tcaacattca atttcgagcg tctcgatatg taacgggact caatcagaca 240
tccgagtaaa aagatattgt cgtatgaaat tgctcagagc atcaacattc aatttcgagc 300
atctatatat gtgacgggac tcaatcaggc atccgcgtaa aaagttattg tcatttgatt 360
ggct 364

<210> 10164
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 10164

tgtgtgcatt caatatacctg atgaggggtgt tccatatggt tttatgactg gactttacat 60
 ctgttgccca agtttcatgg tcttgcaggt gaagatcctc ataagcatct taaggagtgc 120
 catatTTTTT gttccaccat gaagccccct gatgtccaag aaaatcatat ctttctaaag 180
 gcttttcttc atttctggag ggagtggcaa aagattgggt gtactacctt gctcccagat 240
 ccatctccag ctgggatgac cttaagagag tgttcttggg gaaattcttc cctgcatcta 300
 ggaccactac catcagaata gacatttcaa gcatcaagca acttaatgga gagagcttgt 360
 atgagtactg gg 372

<210> 10165
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10165

ctaagcttac tgcacatana atatataact tgatattagt cttgttttca ttaaaactaa 60
 aaataaatta agcataatgt ttgaatgtgg ctcaaataca gatcggctaa cactttacta 120
 taactgaaat gtgaaagaca ccgtacccta ccaaaaacga agacacgtta taaacataga 180
 ccctttcaag gaatacattt tcaattgaag cacttggcat ccaaaagagc ctgcacctca 240
 aaacgatcat aatcttcaat catctgattg acacgctcct tttgagcttc atcatagatg 300
 tcaaccttag tccattcgga tagctccatg tcatagcatt catcactcac 350

<210> 10166
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10166

cacgaaattn tatgcctcaa gtgaggtcta aaatctgaag tgtgggttctc aaatgatcaa 60

agttgaatga caagctcaca catgacctct atttatagcc tcagggtgac acaaaataag 120
 aggggaattt gaatttctat tctaatttca cttgaatttg aatttaaata ggtggagcca 180
 aatttggagc cacaatttca ctacttatga ttagtgaatt ttagctatga ttcaaccac 240
 taattccaga tcaagtccaa gattcttcac taagtgtgct tatgtgtcat gaggcattg 300
 aaacatgaca gatatgcaca aagtgtgact atatgatgtt gtaatgggga 350

<210> 10167
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10167

cttgatgaan agttggctca ctcgttgttt tctatagcaa tatgtagaat ctcaaattta 60
 aagaaagcct ttttgagttg agtagccata tggtagtacc ttgtcatctg tggatccttg 120
 atatgatatt ctccattcaa cttaccagtg ataagcttgg agtcgctcca acactttaga 180
 tatttagctc ctacttcttt agctaatttc aggccagcta agagagcttt gtgctcggct 240
 tggttattct tggtttcaaa ctcgaaacctt agggactgct ctaggattac ttcattctggg 300
 ttttttgaga taaccgtagc tcaactccct ttttcattgg atgaactatc tacttacaac 360
 ttccaccact c 371

<210> 10168
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10168

tcagcattca attntcagcg tctcgatata ttactgtact ctatcagaca tgagagtaaa 60
 nagttattgt cgtttgaatt tgcaacgacc atcaacattc aatttttagc gtgttgatat 120
 attacgcgac tcaatcagac atccgagtaa aaagttattg tgatttgaat tggctgagag 180
 cttcaacatt caatttcgag tgtttcgata tattctggga ctcaatcgga catccaagta 240
 aatagttatt gttgtttgaa tttgcttaga gctttggtat tcaattntga acgtctcgat 300
 atattacggg actcaatcaa acatccgagt taaaagttat tgtcgtttga atttgctcag 360

agcatcaaca ttcaatttcg agcgtgtcga tatattacg

399

<210> 10169
<211> 435
<212> DNA
<213> Glycine max

<400> 10169

agcttctgtt ataattgcga gcgtctctat atattactgg cctcaatccg acatcggagt 60
taaaagttat tgtcgcctaga atttgctcac agcttctgtt ctgaattttg agagtctcga 120
tatactacgg aacacaatcg gacatttcag taaaaagtta ttgtcgattg aatttgctca 180
gagcttctgt tcttaattac gagagtctcg atatattacg ggattcattc ggacatccaa 240
gtgaaaagat attgccgttt gaatttgctc aaagcattcg ttggcaatta cgagcgtcga 300
gatataattac gggattcatt cggacatccg agtaaaaagg tattgtcttt ttattgtgct 360
cagagcttct gttttcaatt tcgagcatct agatatatta caggactcaa tcggacattc 420
gagtcaaaag ttatt 435

<210> 10170
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10170

agcttactaa ggcacctgtt ctttctcttt ctgacttttc taaaactttt gagctagaat 60
gtgatgcctc tggagtggga gttggagctg tattgttaca aggagggcac cctattgctt 120
attttagtga aaaacttcat agtgccaccc tcaactaccc cacctatgat aaagagcttt 180
atgccttaat aagagccctc caaacttggg aacattacct tgtttccaag gaatttgctca 240
ttcatagtga tcatcaatca cttaagtaca ttagagggca aagaaagtta aacaagaggc 300
atgcaaaatg ggtagagtac ctagagcaat tttcatatgt tatcaaatac acanagggaa 360
aaacaaatgt ggtagctgat 380

<210> 10171
<211> 433
<212> DNA

<213> Glycine max

<400> 10171

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agcttattgt cgagtttgag acatatacgt ataatagaaa ctctgcttca gggggttgacc 60
gagtgggaat tgggtggagtt gcaagaaatg tcttgaactt aaaaaacatc ttttcacatt 120
gctcactcga ttgaaaatgt tttcgtttct tcagtacttg aagaaaagct ttgcttttttc 180
tgccattttt ggtaaaaaaa aaatgggata aggatgctaa catgcctggt aactttttgca 240
cctccttcaa attgtgtgga ctcctcatgg caactacgac ctcacactta tctggggttag 300
cttcaatacc tctataggcg atcttgaaac ctaatatttt ccctctccct tactccaaaa 360
gtgcatttct ctgggttgag tcgcatgttg tgcttcctca gctatgcaaa aatagctaaa 420
tcttttggat aat 433
```

<210> 10172

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10172

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agcttcagca ccgaaattta gtaggctac ttggtttctg cttggaagga aatgaaaggc 60
ttcttgtcta tgaatatggt cctaataaaa gccttgatta tttcatattt ggtacgtctc 120
tgaatcactg catagttaga ctgcttctct atatttcact agtggttcaa gacaaagcct 180
aactattcac acaaaattaa aactgatgga tgtatatgca gatccaaaca tgaaggcaca 240
attggattgg gaaagtcggt acaaaatcat tcgaggtata actcgaggcc ttctatacct 300
tcatgaagac tctcgagtgc gtgttataca tcgtgatctc aaagcaagca acattctctt 360
agatgaagag atgaatccga agatagcaga ttntggcatg gcaagactgt ttttgggtgga 420
tcanactcat g 431
```

<210> 10173

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10173

ttgaatgcac tattcaatgg agttgacaag aacatcttca gactgatcaa cacttgcaca 60
 gtggccaaag atgcatggga gatcctgaag atcactcatg aaggaacctc cacagtgaag 120
 atgtccagat tgcaactctt ggctacaaaa ttgcaatata tgaagatgaa ggaggaagag 180
 tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgnga 240
 gagaggataa cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattn 300
 gacatganag tcaactgcaat agacgaggcc caagacactt gcaacatgag agttgatgaa 360
 ctc 363

<210> 10174
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 10174
 atgatttctt ttgttccgga aacctttctt ttctcatgtg caccctaaacc caatctccgg 60
 gttcgaagac aacctttctt ctcccttctt tggcttctgt agcatagctt ttatatttcc 120
 tctcaattag atctttgact ctctcatgaa acttcttcac atagtccgcc tctgcttgac 180
 cttcttaatg cgtacaaaca gaaacatttt gcatatgcaa aagatcaaaa cgagtttagt 240
 tgctaaaacc ataaacaac 259

<210> 10175
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 10175
 tgaaacctca attcctctaa tatatgaagt tggagcttcc tgtgttcacc agctgcattt 60
 agatcaaaat tcaaaaactt caatgcttaa taagctttgt gtttcaactc aacaggtaag 120
 tgacaagatt tgccatagac caattagaag ggagttcctc ttataagagc tctgtatgtt 180
 gttctatatg cccacagagc ttcatctaat atttgagacc aatccttctt taaatgagca 240
 actgttttct ttaggatctt cttgacttca ttgtagaaa ttccagcttg cccattgggc 300
 tgtggatggt aaggtgaggc taccttctgt ctaacacta 339

<210> 10176

<211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10176

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agcttgtcaa gcagtctctc tcctatattgt ttantatata tgcattcgaa cgatataaaa 60
aaaagcaact gagggaaaaa gcttctctcc tcacatattc aaaacttcaa gtattctggt 120
tgттаататт тttaaaатаа taggttacct acataagtat tgтааgttta ggттааттаа 180
gattaatacg cattgтааgg ttaggttagt tattattatt aataaattaa тааgtatgct 240
gttatttggt attaattttt atgtactaac agatatttga agagtaggtt aggttaggtt 300
acttagtata aaaatattat ttagtttgta gtatatcatt ttagatttgt agtatatatt 360
tgaaggttaa gttgtataac aataagtatg ttgttattag tttgtagtat atat 414
```

<210> 10177
 <211> 316
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10177

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taccaccata ggaagccatg gataagagct tgaatgtagg agaagatgag tggagggaga 60
gggagagaan gagcacgaaa ttttgtgcct caaatgaggt ctgaactttg aagtgttaatt 120
ctcaaatgat caaagttcca aaaaaatgca cacacatgac ctctatttag agcctaagtg 180
taaccncctg aaatattatt agtaattata tttgatgttn gattatattt gttgggtatt 240
tgtgtgctat tacacttact cactattgtg ttctatagct ataaagtttg attgtgaatc 300
atattgaatt gttttc 316
```

<210> 10178
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 10178

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gagatcgtcc ccttgacaac attatcgggt ttatctcaaa aggtgtaaca actagacatg 60
ctcttaaaga tttatgcaat aatatgactt tcgcgtctat gactgagcct ataaatttat 120
```

gatgaagcca tgatagatga tcattggata gttgctatgc aagacgaact aaatcagttt 180
gagagaaaca atgtgcgga actagctgag acacctgaaa actaccccat cataagaaca 240
aaatgggtat ctaggaataa gttagatgaa catggcatac tcattaggaa caaggcatga 300
ttacttgcta aaggatataa tccagaagag ggaatcgatt actaataaac atatgctcca 360
gttgca 366

<210> 10179
<211> 168
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10179

agctgatgac catttttatg tctcgagagt ttntgctggt caatttcgag cgtctagatg 60
agatatgtac ccgaatcgga catctgagtg aaaagctatg accattcgaa ttgacctaga 120
gctttcggtt ttcaatttca agagtctcga tatattatgt gcccaaat 168

<210> 10180
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10180

agcttgtaaa cntatacaa gaatgaagct ctgataccac ttgttggaaga agtggcctca 60
gatatcttac gaaggggggt tgaattaaga tatcacaac tatttcccca attaaaattt 120
tattttactt tctattcaag ttataaattc ccttaaaaat gaacttctta aatattgatt 180
caaatagagc aatttgaata tgaatataaa acaataataa ataaaggagt ttaaggaag 240
agagattgca aactcagatt tatactgggt cggtcacacc cttgtgcta cgtccagtcc 300
ccaagcaacc cgcttgagag ttccactatc ttgtaaaagc ctattacaag atctgaacca 360
caaaaggaca acccttcctt tgtgttagat ttctttacaa caagagaccc tcggtctctt 420
aatcc 425

<210> 10181
<211> 434
<212> DNA

<213> Glycine max

<400> 10181

agctttttatc catggcctcc tatggtggtg ttcttcttct agactcatct tttccttgaa 60
gtggcgtctc ctctctctct tccttctcca ttccgctgcc attcatcttc caagaagcaa 120
aggaatccat tgatgaagaa gatcttaggc ctacaagctc caatggagct tacatcagcc 180
tctgactctg gcttgctttg gtgaagggcc ctgagagctg tataagtttg catagaactc 240
tttcaccaaa gccaaatcta tgctcccatc aaccaaattg gtgaggcgtt tatggaaatt 300
acacctctcc aacttagtct taaaatcatc caactcgggtg tggtagagct ccaccttct 360
ctctgacaag atgtttctcg ccaggacatt atccatgtac tggttccaag catctaagga 420
gtgaaatctc cttt 434

<210> 10182

<211> 280

<212> DNA

<213> Glycine max

<400> 10182

ggcatttttg gacaaagtat gacaagcagg gggcatgcaa attctcttcc catcaaacct 60
tggatgcaac tgagatcgta tccccatctc agctagatct tgacgggtat tcaagccatc 120
cttcatcttg ccttgaatgt taaggagcat cctaatacaca ttgtcacata catttttctc 180
cacatgcata acatcaagac aatgtctaac gtctagatca gaccagtacg aaagatcaaa 240
gaaaatggaa ctcttcttcc atatgcaagt cttactttta 280

<210> 10183

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10183

agcttccaag agttgaagag gcgantgaat tcagctccaa tgttaatttt gcccgacct 60
aagagaacca ttgaagtgtg ttgcgatgag agcgggcaag tcttaagggtg tgtattgatg 120
caagagggaa gggtagtggc ttatgcttca cgtcaattgc gtccatcatga agttaactat 180
ccgacctatg atttggaaact agcagcttga tggaagcttg cttgtggggc ttctatgaag 240

gctggatctt tgagcttcta tgaggtoctt taatggatgat tttccacccat ggagatgcag 300
 cggaagacaa atgagaatag gtgagaggag gcgccatcca ctatggaata agccttggaa 360
 gaaggagcat caccaccaag atgagccttg gataaaaagc ttggagagga tgcttcaatg 420
 gaagaaaaga aagaggga 438

<210> 10184
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10184

tttgttgaaa cttaaattgga aaacaaaaaa ttctggcaga caaaaatgga tggaaaaaatt 60
 tctccttata ccttatttta ttttatattg ttaattaatt ataatttata ttgttaatta 120
 taatgaagat caaactttnt atattatatt aatttatgat aaataaaaaat ttctttcaca 180
 tcatttaagt tcattatatt tttataatag taaataaaga tcatactttt taaattatta 240
 taattataat tactatgacc taagtatcta caaaatcgta tgcctatttt tagaatngac 300
 catatttact atttgtacca aatattaaag atgcattatt atttttgaat t 351

<210> 10185
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 10185

gatgccttta aagtttttta ggctgaagtt gagaaacaat gtggtaaaca aattaagatc 60
 gtgagatcag atagagggtg ggagtactat ggtagatata cagaggatgg acaaccccca 120
 ggtcaatttg cgaaattttt tcagaacccat ggaatgggtg ccacatcccc tatgcctggt 180
 tctccggatc agaatggggt ggcagaacga agaaatcgaa ccttattaaa catggtgaga 240
 agcatgagga gtaatgtaaa gctccctcaa tttttgtgga ttgatgctct taagacggct 300
 gcgtatatat taaaccgagt tccaaccaag gctgtctcaa agacaccttt tgaattattc 360
 aagggttgga aaccaagttt gcgacatata cgcggt 396

<210> 10186

<211> 395
 <212> DNA
 <213> Glycine max

<400> 10186

ctatcaggac ctataaaact cagcttggtg agagattaat gagcctttta ataagagggg 60
 taagtgcact ctgatttcaa ctagagcagg ctctttgggt attaatcttc atgcagctaa 120
 tcgtgttggt atagttgatg gttcttggaa tccaacatat gatctccagg ccatctatcg 180
 atcatggagg taagatcctg ttaatTTTTT ccttaatcaa gataagtttt cttctgatta 240
 aaaaattatt tataaaatat aaagtttaga atttgatgtg actgtctcct ttacggagaa 300
 ttctttcagt gagcagtatc ttagctcatt ggtcttttag aggggtttcc cttatatcta 360
 acaataagat gtgaaattga gacttacact cttat 395

<210> 10187
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10187

agcttcccaa tcaatcttcg atatctntta tgatcagaat aaggctcccc ctgattgggt 60
 agcaattntt tatttggatc catgggacta tcaattgggt tacaatctga cataacagtt 120
 tctttaagta tgtctaagtc atacttcctt tgtgagatga taatcccat ttttgactga 180
 gcaacttcaa ttccaataaa atatttaagt tttcccaaat ccttaatcta aaaatgacta 240
 aataaatgtt ccttccggtg agcaattttt tcttgggtcat ttcctatgat gactatatca 300
 tctactcgat gaggtatgac aataaaaaac tgaatgggtc gcttcacttt gtttcatccc 360
 aaaagcctga acatctgagc tgaattt 387

<210> 10188
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10188

agcttctcat caatacttga aagaaaacat tataaaaagg taaaatgaat caaaattccc 60
 caaaaactag cttatgcaat tcaactatTT tagaagttcc ctggtttaac ttctccaaaa 120

actgaagtgt ataagctaat tttaactggg aggaaaagtt ttattcactt tacctattca 180
 ttttcttcta taaaatgctt cttgaatttt atttccaaac tgaacctaaa tttgtatatt 240
 tattaccttt ccgggtccga gttcatagct tttcttcaga cccttgggta gaagagtctg 300
 cactgttggt tccattgaa cagggtgaggt aacctgccaa atgcataaca ggtgcaatta 360
 tttcccatc atgtcttctt gtagattga aacaagtatc agtaacatac ctggcatgcc 420
 aatat 425

<210> 10189
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 10189

agcttcaaca ttgaatttag agcgtctcgt tatattacct gacttattca gacatacaag 60
 taaaaagtta ttatcgtttg aaaatcctca gagcttcggg attcaatttc gagcgtctcg 120
 atatattacg ggactcaatc agacatccgt gtaaaaagtt attgtcgttt gaattagctc 180
 tgaggttcag aattcaattt cgagcgtctc aatagattac gggactcaat cagacatccg 240
 agcaaaaagt tattgtcggt tgaattagct cagagcttca gaattcaatt tcgatcgctc 300
 caatatatta caggactcaa tcagacatct gagtaaaaac gttattatcg ttagaatttg 360
 gtcagagctt caacattcaa tttcgagcgt gtcgatgtat tacgggactt aatcag 416

<210> 10190
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10190

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 tgggtatacaa tcggtttacg tactaatggg gatctttata ctggagctct ttttctatta 120
 tttctttcta ctatatcttt aatagcgggt tggttacact tgcaaccaa atggaaacca 180
 agcgtttcgt ggtttaaaaa tgccgaatcc cgcctcaatc atcatnngtc aggattattc 240
 ggagtcagtt ccttggcttg gacaaggcat ttagtccatg tcgtattcc gggatccagg 300

ggggaatacgt ttcgatggaa ataattaatt agtatattgc ctcaccccgga aagatagggc 360
cattttttcac 370

<210> 10191
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10191

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gcagaaaaat tatgacctct ccagcaacag atacaaccct ggatgggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gtccttcct tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acaaccaaca gttgaggccc ctccacaacc ttcccttgaa gaacttgatga ggcaaatgac 300
tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
gatgggacaa ttggctaccc aatngaataca acaacagtcc cagaattctg acaagctgcc 420
ttctcaagct 430

<210> 10192
<211> 419
<212> DNA
<213> Glycine max

<400> 10192

agcttgtagg gttaaagtct cacgattggt acgtgctcat gcttcagttg ttagccatgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcacctg tgctttttct 120
tccatgctat atgtagcaaa gtcattgatc ctgtcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat actatgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggctcctgtt tatctatggt 300
ggatgtaccc gattgagcga taaattgcaa aagaagccat tgaatttttt tcagaatact 360
tagagaatgc taaacctgtt ggccttcctg agtctcgga tgatgacaaa gtgggggggt 419

<210> 10193
<211> 306

<212> DNA
 <213> Glycine max
 <400> 10193

tcgggttttca atttcgatca tctcgataca ttatgttccc aatcaaaca tccgtgagaa 60
 aagttatgac cattcgaatt tctcgacagc ttccattggt caatttcgag cgtctagata 120
 tattatgtcc caaaatcgga catcgggtgtg aaatgttatg accattcgaa tttctcgaga 180
 gcttctgttg ttcaatttcg agcgtttcga tatattatgt ccccaaatcg gaatttcgtg 240
 cacaaagttc tgaccattca aatttctcta gagcttgccg tgttcaattt ccagcgtctc 300
 gatata 306

<210> 10194
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10194

agctttntct taagcttttg ctacaacctt tttctcccc tnttgtgcaa catcaaaaaa 60
 gctcaaaaga aaactcggga annatcaaac caccagttta ttaaacaatg ggagtnagca 120
 aagatataaa gtatcaagag tattaataaata caaataagcc aaaactcata atcaataaaa 180
 ataatcaacc agaagtcaaa taacataaaa tgtcaacaac cacaaaatat ccaagactga 240
 aacacaagaa aaataagcaa agtacttagc ataataatgt agattctaag aaactaaaag 300
 ccaaaataca cggcttataa aagataaata agcagaatct aaaatctaag aagac 355

<210> 10195
 <211> 360
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10195

tgaaggagtt tattgcatca gggaacaatt tcactttaaa agtgggttct aattggattc 60
 ctaattttca acttacctat ttggatgtga catcatggca gatagggtccc aactttccat 120
 cgtggattca atcacaaaac aaacttcaat atattggact gtctaacacg gngattttag 180
 attctattcc cacttggttc tgggaaccac actctcaggt tttgcattta aacctctctc 240

ataatcatat ccatggtgag cttgtgacta cattacaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcac ttatgtggta aattacccta tctttcanat gatgtgtatg 360

<210> 10196
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 10196

atggaggctc tgggtctcttg ttgaaactgc atgttctgca tagtcatttg cctcaaaagt 60
 tcttcgaggg aaagttgtgg aggggtctca actgtcggct gtttctacgg cttgcgctgt 120
 tgttggattg gtggaagaat gtattgtctg cttgggccaac catcattttg gatagaacga 180
 acacgctgct gttgttgttg ctgagggcta gaccatctga gattacgggtg actcctccat 240
 ccatggttgt atctgctgct ggagaggta taactgttct gttgcggctg attatgctgc 300
 t 301

<210> 10197
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 10197

agcttataat atattataca ctcgaaatta aacatcagaa gctctcgaga aattcaaagt 60
 gtcataactt ttcacccgga tgtccgatta tggcgaatca catatcgaga cgctcaaaat 120
 tgaacaacgg aagctcttga gaaattctaa tggtcataac ttttaactcg gatgtccgac 180
 tcaggcgcac cacatataga ggcgctcgaa aaggaacaac ggaagctctc gagaaattca 240
 gatggtcata actttccaca ctgaggtccg attcaggatt ataatatatc aagacgctcg 300
 aaattaaaca tcgaaagctc tcaagaaatt caattggta tcaacttttca cacggatgtg 360
 cgattcgggc gcataatatg tcga 384

<210> 10198
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10198

agctntagaa aaaaatgtta actaaaatat tattgcctag tttcactcac caattatgta 60

atagccctga tgctcatgca gatcctttta aaaccaaatt accgttggat ccgttcttca 120

cttataatnt atgntaattt atgaaatctt ggaggtgaga tgtatgattg aattttataa 180

gagtataata aatgaacaca ttattaacca tttttagact attataatta aaataatgtt 240

tccagtataa aaaaatattt ctggctacct tactgcagaa gattgttact gctaaatgga 300

agactgctac agcagaagag aagaagcctt atgaggggat ataccatgcg gngaaagaag 360

cttatttgca ggtgattgca aaggaaaaac gtgaaactga ctcaatg 407

<210> 10199

<211> 410

<212> DNA

<213> Glycine max

<400> 10199

gcttgatata tgctgaggtt gtccttata ttcaaaacaa ggtgggttgct tcacttatac 60

ttcttcatta atgaatccat tcaaaaaagc actcttgaca tccatctggt atatcttgat 120

atctttgtgt gtagcatagg ccagaagtat tctaattggcc tttagtcttg ctactgatgc 180

aaaagttttt cattgtcgat ccttcatgt tgattatata cttgagccac tagtctttcc 240

ttgttactaa ctactttata ttcatgaga tttctcttaa agaccattt ggttctgcca 300

taccctaatt ctgttcgggg accatcgttt gatggcatgc aacctttgct tgaccgcttc 360

gaggtatctg gcacccatct gtgcacaata cataaagttc cataacgtgc 410

<210> 10200

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10200

ctaagcttct atgaagggtc gttcctaatt tctctacaat tgcatacct ctcaataagc 60

tagtgaagaa gaatgtggca ttacctgng gtgaaaaaca agagcaagcc ttgctttgc 120

tcaaagaaaa gcttactaag gcacctgctc tagctcttcc tgacttttct aaaacttttg 180

agctagaatg tgatgcctct agagtgggag ttggagctgt attgttacia ggtgggcacc 240

ctattgctta ttttaatgaa aaacttcata gtgccaccct caactacccc acctatgata 300
aagagcttta cgccttaata agagccctcc aaactttgga ccattacctt gtttcccagg 360
aatttgtcat tcatagtgat catc 384

<210> 10201
<211> 435
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10201

agcttgtata catgctgagg tttctcctta tcttcaaaac aatgtggttt cttcacacat 60
acttcttcat taatgaatcc attcaaaaaa gcaactcttga catccatctg gtatatcttg 120
atatctttgn gtggaacata agccaaaagt attctaattg cctttaatct tgctactgat 180
gcaaagggtt ttcattgtcg atcccttcat ggtgattata tccttgaacc cactagtctt 240
tccttgtttc taactacttt atcttcattg agattttctt taaagaccca tttggttctg 300
ccatacccta attttgttcg gggaccattg tttgatggca tgcaaccttt gcttgaccgc 360
ttcgaggat ttggcacca ttgttgaca atacataaag ttccataacg tgccagaagt 420
caaaagagag cattg 435

<210> 10202
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10202

ntatactagg atgtttgatt gaggcccgta atatattgag acgctctaaa ttgaatgttg 60
aagctttgag caaattcaaa cgacaacaac tttttactcg gatgtctgat tgagtcccg 120
aatatatcga gacgctcgaa attgaatgtt gaacctctga gccaatcaaa acgacaatca 180
ctttttactc ggatgtctga ttgagtcccg caatatattg agacgctata aattgaatgt 240
tgaagctttg agcaaattca aacaacaata actttttact cagatgtctg attgctgccc 300
gtaatatatc gagacgctcg aaattgaatg ttgaagctct gagccaattc acacgacaaa 360
taacttttac tcggatgaat gattgagtc cggaatataa caa 403

<210> 10203
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10203

agcttcaaca ttcaacttcg agcgtctcgt tatattacag gattctatta gacatccgag 60
 taaaaagtta ttgttggttg aatttgctca aagcttcaac attcaatttc gagcgtctcc 120
 atatattacg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaatttgctc 180
 aaagcttcaa cattcaaatt cgagcgtctc gttatattat aggactcagt cagacatccg 240
 agtaaaaagt tattgacgtt tgaatttgct cagagcttca acattcaatt tcgagcgtgt 300
 cgctatatta cgggactata tcagacatcc gagtaaaaag ttattgtccg ttgaatatgc 360
 tcagagcttc aacattcaat ttcgagcgtc ttcatatatt acgggactca atcagacatc 420
 cgagt 425

<210> 10204
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10204

agcttaaaact attaatctct taacagatat acttcatgtg tggtgtgat cgttccgagt 60
 ggtgaaatta cggttntgtc cttttccttt tctgatgcag gtacttcttg aacgtgattn 120
 tcaacattct taacaagaag atctacaatt acttccccta tccatagtaa gttatagcga 180
 ttatgcgtat tttcaacttt gtgtggtgtt agctcatgaa tatcatgtct tgatgttaat 240
 tgagattgga tccgtgaaat gttatgcgca gacatgtgtc tctgtccttt gttaacgtcg 300
 gatggtaagt gaataagggt tttttttatt ttttattctg aattgtgaat aagggttaatt 360
 aaaggaaata tctcgattcg cgtttctgga ttatta 396

<210> 10205
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 10205

acacttaaac tcaagcttga gcattcaatg gcataatgca ctctttgtcc gattcatgca 60

cataatttat cgagacgctc taaattgaac aacggaagct ctcagaaaat ttaaattgctc 120

ataactttta actcggaggt ccgattcaag cggataatat atcgagacgc tccaaattga 180

acaatggaag ctggttgagca attcaaattg tcataaatag tcaactcggag gtccgattca 240

ggcacataat atatcgagac gctcgaaatt gaacaacgga agctctcaag aaattcaaatt 300

ggtcataact tttaactcgg aggtccgatt caggcacata atatatcgag acgatcgaaa 360

ttgaacaacc gaaactctta agcaattcaa aagggcataa 400

<210> 10206

<211> 394

<212> DNA

<213> Glycine max

<400> 10206

cgctttaatt gaagtgaac actttagtta acgaggttct ctttcttggt tatagctacc 60

gtgaattttt attctgacaa caacaactaa aactaatcgg ccatgcatgg ggtagaaaga 120

acgaagctct tgaaatttat actaatttgg cccaagtacg aaataataat aagaagataa 180

aaacacttac cggaaaaagt aaatctaattg attccctggc tgcattgtcga acggctctag 240

tgggatacat tggaccacca ggagaagtaa agctatacaa acaagttttc aatctcgtac 300

tagtagtcat tctcaattcc aagcctgtgc cgtaaataa aacacaagaa tggcatagtt 360

aagtcattgag atattaatag tccctgtcca aata 394

<210> 10207

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10207

ttcaattgga gcagtattg ggctgtcatg gccagttgac agatttatat ttcaggttct 60

tgatgactca acaaatcaat ccttaaaggt atccaattaa tccagtaaag cttcattgca 120

gattccatat gcattctgtg ggtgcaaatt tacagtaatt aagtgttttc aaacatgcaa 180

gaatgtgtcc aaatggagtg tcaaagatgg atacaaaaag gcgtgaatgt caaatatgaa 240

acaaggacaa atcgcaatgg ttacaaggca agtgccatga aggacggttt ggagaatgaa 300
tatngtcatg attgcgagaa tgtaacaata tttgat 336

<210> 10208
<211> 256
<212> DNA
<213> Glycine max

<400> 10208

ttggtcaatt tcagactgcc atatttttttg acatgttgtg tgcgattgag gcacatgata 60
tatcaagacg ctcggaatta ataaacaaag gttctaaaga aattaaaacg gtcataacat 120
tgcagttgga tgtccgattc atgcacataa tatattgaga cgctcaatac tgaacattaa 180
agctctagtc caattagacg gtcataactt tttgacatgg gagtgcgatt gaggcacatg 240
atatatacag acgctc 256

<210> 10209
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10209

tacattatgt gcctgatttc ttttccttca tttgatgata aaggaacaat taatgtgtta 60
tcatggcaag gtcccatttg ctgctctctc taaaaagtgt tcacaggaga tgcttaatta 120
taataatggt caatgggtat taataatata taataaatac tgataaaaaa agtatctaata 180
aaatctttta atatattaaa agataaacia caaatTTTTat attttaataa atacattcta 240
ttaatgtatt tggtttggtta actaacactc taaagaaaat ggtcataata ctctcttgaa 300
aaanatatat ttatgtttat tggaattaat atatataaac tcatgtattt ttctattagt 360
agtataaagt gaaacacata agagtaaatac atac 394

<210> 10210
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10210

ttatcaaatg gatgttaaaa gtgattttct aaagggctta attataatga agtatatgnn 60
gaacaaccac caggttttga aatattggat aagccaaatc atgtttataa attgaaaaag 120
gctttatatg gcttgaaaca agcccctagg gcttggtagc agcgtctaag taagtctcctt 180
ttagaaaagg acttttctag aggaaaagtg gatactattc tttttataaa gagaaaatca 240
catgatattt tactagttca aatttatgtt gatgacatta tttttggatc cactaacaaa 300
ttgtttgtg 308

<210> 10211
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10211

ntcaaattct tacctaccac gtaccttaga agttgttata gagtttgatt taccagaatg 60
acggcatagc acatgggctc aagattttct tcacccatcc tttttccatc aagctctccg 120
ctttcctttg gatctctttt gtctcttcca aattgcttct atatgctggc ttatttggtg 180
aggaagctcc tagaatgaga tcaatttggg gctctatccc tctcaaaaaa tgtaacccat 240
gagggttgtc tttaggggaag acatccccaa actccttcaa taatccttcc atacctatag 300
gcaaagcaat agaataaaaa caataatcat ggggcattag taaatacata ggtagcctag 360
ctagtatcac tctctccacc tctttctctc tcatgaacaa gc 402

<210> 10212
<211> 359
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10212

agcttagcta cactttcctc tctaatagtt tatttcacct ncttgagatg agaagctaga 60
gcttagctac acacccctt ataatagcta agctcacccc catgacaaaa tacatgaaaa 120
tacaacaaaaa gtccctacta caaagactac tcaaatgcc tcgaaatata aggctaaaac 180
cctatacaac tagaatggcc aaaatacaag gcctaaacga aggaaaaaaa acctattcta 240
atatttacaa agataagcgg gctcatactt agcccatggg ctcaaatct atcctaaggc 300

tcatgagaac cctagggcct tcccttggat ctctggccca atctacttgg agtcttcta 359

<210> 10213
<211> 392
<212> DNA
<213> Glycine max

<400> 10213

tgtaaattaa attgagtcta atagaaaaaa gaatttcggt ttataaacta taaataacat 60
ttttacactc tcatacttga tgaaagattc aagtaaaaaa aatgcttatt gtaaagcatt 120
atagttaa at tagacccatg aataatattt aggaaaaatt gcaattgcaa tggcactttt 180
aatttataaa aaacattcac ctcccttttga atgatttttt taagattatg atttttttaa 240
tgacgagtca gtaaaaaata atttgtgtatg atttttataaa aatttataaaa tcaacaaaact 300
tttattataa ttcgtaattt gatatcattg catatactaa tagacattta tattttatta 360
tgaaaaattt attaaaaaca atcaaataaa ta 392

<210> 10214
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10214

taagtcacct ggggcgtgca gctcaacttt atacccttcc attgttttgt tctacttaca 60
tggacttgat ggggcctatg caagttgaaa gccttggagg aaagaggtat gcctatgttg 120
ttgtggatga tttctccaga tatacctggg tcaactttat cagagagaaa tcagacacct 180
ttgaagtatt caaagagttg agtctaacac ttcaaagaga aaaagactgt gtcatcaaga 240
gaattaggag tgaccatggc agagagtttg aaaacagcag gtttactgaa ttctgcacat 300
ctgaaggcat cactcatgag ttctctgcag gcatcacacc acaacagaat ggcatagttg 360
acaggaaaaa caggactntg cangaagctg ctatggtcat gcttcatg 408

<210> 10215
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10215

gcaagcttag tcctagaagg gacggacctt nttgtgttta gagaggatct ataacaatgc 60
ctatagattg gacctcccag aagagtatgg agtcagcacc acttttcaca tttctgattt 120
aattcctttt gcaggtggag ctgatatga ggaggaggaa caaacagatt tgaggtcaaa 180
tctcttcaa ggggaagggg atgatgctat cctccctagg aagggaccag tcaactagagc 240
catgagcaag aggctccaag aggctagagt tgctgaataa ggccctaggg ttctcatgaa 300
tctcaaggta gatttctgag cccatggggc aagggtgggt ctgttagtgc ttagctntac 360
taagctntaa aagattggct aagaatttgt taaaacataa gcacttanac aatgatggaa 420
agctggagtt gctgcacatg atgtccaacg ttatgtcaaa gaataagatc 470

<210> 10216
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10216

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gggctacatt ttgttcacca acttttttct tgaaacagaa gaacactact aagagacctg 120
gaagaaacag caatgtgaca cccccaaaa ctattgctat tgttgctccc ttgctcattt 180
tctgtttga tagatcactt ggtctttgag agactgttgg tggagacaat gtgggtcttag 240
gggaaactga ataacattgt ttcaaagggtg ctccacataa catcaaattc cctctatatg 300
aggaggcagg aaacttatgg agacctgaag gaatagatcc attcaagtag ttgaagctca 360
natccaaatc cttaaggcta ggaagggtaa catcaggaat acgtcctgtg agagag 416

<210> 10217
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10217

ctcctcatca aagagnntat catccacatt aaacaattgg cttactagtt gattgaactt 60
gttgatgtgg ccatggagat ctcttccat ctctattttg agttgatata actccatctt 120

caaacaaagg caattggtaa gcgactttga tgcatagata ttctcgagct tctcccacaa 180
 agtcttcgggt gttgtctcct tcaacacatt gtgttgatc tcgggagcaa tgactaacgg 240
 aatcgtgctc acaacctcc tttggatctt agtcactca gtttcattta tagaagccag 300
 cctatcatct tctaagcct gatc 324

<210> 10218
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10218

ccttatcttt atcagtaaca agcacatttc cattcacagg tttagcgaca tcaacatcat 60
 cacttgagcc ctcactttca atgtttccat tatccagtaa tatcatgcct cttttatttg 120
 gacattgaga agcaatatga ccaactcctt gatacctgaa acatttgata tcatgggatc 180
 tagaagatga attaatttcc attttacctt taggtgcagc aaatgaattt ttggacttag 240
 cttcatcttt tgactttgtc atagattttt tgttttgcc aattgacttc catgaataag 300
 tggaatcaaa tttggaagta ctcttagctn tcaattgcct ctccacttga atagatntat 360
 gcagcaagtc ctctatctcc acataatgat gcaattctac cacattagtt atctcctcct 420
 tt 422

<210> 10219
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10219

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 taatagctaa gtcacctca ttgagatgag aagctagagc ttagctacac accnctata 120
 ataactaagc tcaccttat ggcaaaatac atgaaaatac aaaaaaatc tctactacaa 180
 aagactactc aaaatactc gaaatacaag gctaaaacc tatactacta gaatggccaa 240
 aatacaaggc ccaaacgaag gaaaaaccta ttctaattt tacaagata agcgggctca 300
 tacttagccc atggggtcaa aatctaccct aaggctcatg agaaccctag ggccttcctc 360

tggtatctctg gcccaatcta ctgggagtct tctatccaat gcccttgagg ngtaggaatg 420
catcactaag tctccagcat tggtttc 447

<210> 10220
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10220

agtcacctgc ggcattgcaag ctctccctct ntgaacaaat acccctcttc caaatagaat 60
ccttcttctg cctttttccc acaactctca taaatgggag agaaatgttc atctaaagca 120
tacaagtccc tactattatc aaatcctaaa atttgagctc ctaggaggca aaacaatgtg 180
tgtctcctag agagggcatc agctaccaca tttgtttttc ccttnttgta tttgataaca 240
tatggaaatt gctctaggta ctctacccat tttgcatgcc tcttgtttaa cttgctttgc 300
cctctaattgt acttaagtga ttgatgatca ctatgaatga caaatccctt ggaaacaagg 360
taatgttccc aagtttggag ggctcttatt aaggcataaa gctctntatc ataggtggng 420
tagttgaggg tggcactatc aagtttttca ctanaataag aaatagggtg cccaccttgt 480
aacaatacag c 491

<210> 10221
<211> 267
<212> DNA
<213> Glycine max
<400> 10221

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gcttactaaa gtttagccta atttagccta agcttcgtct gcgatgggtg aatttttacg 120
aggaggtggc tcgcggtggg ggcggtggac agttctgatg atgaggggtga agaaactgac 180
gaggaatgca tacacaacga gagtgccacg tgtctaaatg aagacctaac gactaacaat 240
gatgcagccc agatatatgg accttta 267

<210> 10222
<211> 436
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10222

agcttctntg cacttttttc atttgaattt cttaattagn tntggacatt actttgtttg 60
acataggaag atgccatgtt tcatttgctt gacttgaagt ccaaggaaga aggacaattc 120
tcccatcata gacatctcaa attctttntg cataaagttg gaaaattcct tacacaaagc 180
ttcattaata gcaccaaaga ttatgtcttc aacataaatt tgcacaatca acaactcatt 240
atttgatctc ttgataaaca atgttttgtc aacttgacct cttacaaaag atttcctaatt 300
taggaaattg ctcaatcttt caaaccaaga tgtaggttct tgttttaaag aataccgagc 360
cattttcagc ttgtaacatg attagatgtg tgaagctaca aacctagagg tggctacata 420
tatctttctt catgat 436

<210> 10223

<211> 369

<212> DNA

<213> Glycine max

<400> 10223

tagactaagt tcagcctacc atcctcagac tgattttcta ctgaacagac aattcaatcg 60
tcggaggacc ttttgagggc atgtgtctta gaacaaaagg ggagttggga gagttatttg 120
tcgttgatag agttcaccta taaagaccta tatggtataa ggtgtaggac acccctacgc 180
tagcttgagc ccaaagagaa cctcacctta gtgcctgaag tggtagcata aactactgag 240
aagggttaagt taatccaaga gaggatgggt actgctcaga gtaggcagaa aagctatcag 300
ggcaagagga ggaaagtcct ggaattcaag gttggtgatc atgtattctt aagagtcact 360
ctatggact 369

<210> 10224

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10224

gaacttaaatt ctcagcttaa cactcgtttg atgggtgcac catcttgctt gttgggtgag 60

tgnaacaaag cccattatg gaatggacat acatcaacta ccatagaatg gactgaactt 120
 agttttattgg gaccgataat aatagtcgct tacaacactt gtcgtaaact tgtaaaaaca 180
 gatgtaatga atttttagg gagataatta cattatttca aaaattaata tataagtata 240
 ttttccttga attatacatt gtcgtatatg ataaaactgt tgattttaat aataattata 300
 gtaaatcat attgatgata tatcttatta atcaataatg cggataaaaa tatatattta 360
 cttaacttac atttaaaaga 380

<210> 10225

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10225

ttgagaaaat tcaaacgaca atttctnntt tctcgtttgt cngacngagt cccgtaatat 60
 atcgagacgc tcgaaatgga ataccgaagc cctgagcaaa ttcaaacaac aataactttt 120
 tactcggatg tctgattgag tcccgttaata tatcgagacg ctcgaaatgg aatgctgaag 180
 ctctgagcaa attcaaacga caataactgt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaatgcagaa gctctgagca aattcaaacg acaataactt 300
 ttactcggga tgtctgattg agtcccgtaa tatatcgaga cgc 343

<210> 10226

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10226

accgagcagn tctaataaga acgggaattt taatattcnt tcgccnngca gacanataac 60
 gggacatttt aggattccat ttttttagta ccgcggccaa aatgaactcc tgcttccatc 120
 atctcttcca agattatggt tcaatatctt ttgtcatgt atatttatcc ccacactttt 180
 ctttcatttc aaaatcgaga ttctatatat tttttgaact gaaagaaaga gaccccatat 240
 aatgaaatgg aaataagtgt tccaaaggaa cctcctcttt aatgatcgg gccaaagcata 300
 tgagcatgag tagtaggtaa aatatattac ttctcattcg tataaaaatt aacagatacc 360

gatatgtgtg aatcaataat attc

384

<210> 10227

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10227

aactcaagct tcttagtttc agatgatgca gatggggttg gagctttctc atgcattctc 60
tctaatagact atggcatcat ttctggcgct aaactgctgg gagttggagg ccatcttctc 120
aattaaattt ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc 180
tatcatactt ctctccatat tactgagtcc ttcataaaaa tattggagaa gaaactgttc 240
tgaaatctga tgggtgggggc aactggcaca tagtttctta aatctctccc agtaactcata 300
caggctctct ccactgagtt gtctaatacc tgagatatcc ttctgatgg ctgtgggtcct 360
ggaatcangg aaaatttttt ctaagaatac tc 392

<210> 10228

<211> 394

<212> DNA

<213> Glycine max

<400> 10228

tcaagaaaaa gatggcctca gcaaatttct tattttttta ttggaattct atcaatagac 60
ctccaatctt taatggagag ggttaccact actggaaaac ccgaatgcaa atttttatcg 120
aggcaataga tctaaatata tgggaagcca ttgaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caacctaaaa gccaaaaaca 300
taataacatc tgccctagga atggatgaat atttcagagt ttcaaattgc aagagtgccta 360
aggaaatgtg ggacactctt cgattaacac atga 394

<210> 10229

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10229

gcttcoctcag gagtcacaat cttcattctt cttgtaagac atcttttttat cgcataatata 60
ttagtgagata ttgcctctcc ctagtagcaa tgaggcaatc ctattccttt caacatacat 120
cttgccatat caagcaaagt tttgtttctc ctctctacta acccattgtg ttgaggagta 180
tatgggggttg tcacttcatg ttcaatgtct tttatcttac aaaactcatg aaaactcctt 240
agaattatat tctccccctc catcagtcct tagaatcttt aattcatgac cactttgtct 300
ttcaaccagt gcacaaaaat tcacaaatac tgaaaacact tcactctttt cattaagcaa 360
gtacaaccac acctttctag ttaattcatc aacanaggtn gtgaaatacc tgtttcccc 420
aatgatggag tcttaattgg accacacacc tatgaatgaa ccact 465

<210> 10230

<211> 411

<212> DNA

<213> Glycine max

<400> 10230

acactcaagc ttgggttatct cttcttcac tacaacaaga atcaccgggt tgagtcttct 60
ttgtggctgt cttactgggt tagctccatc ctctaaattt atttgatgca tacatgtgga 120
tgggctaata ccaggaatgt ccgtcagggt ccaacctata gccttcttat gcttcttgag 180
aactgacaac aacttctcct cttgctcatc agcaaggag gcagatataa tcactagaaa 240
actcttgcta tcatccaagt aagcgtatct taaatttgat ggcagagact tcaattctgg 300
tgtggtcggc tggacagtgg tagaaggaga tggtttctca gcctttacct cataaagaaa 360
gtcagaggta tgtgtacttc ccgaaacatg gttagtccta tctgactcta t 411

<210> 10231

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10231

agcttcttat tcatattttg ttggtacata ttgcttntta ttcacataac accaatagta 60
ttccatttat aagcagagat tgacgattca aattacatat ttataagaga ccaaccaaac 120
acaaagcaac cacagcttat aacacccgta acaaaccta gaacatttga atttgcaaag 180

gcggggccatg accactttat tctaaaactt caaacacaaac acatacttat tattttattga 240
 tacatgtatt acagctatct ctgcttgaag gttatgcatg ttgatctcac ttgcagctgc 300
 atgggtcgca agtgcagttt gatccacagt tgcagccacc gttctcagct gcaacaccca 360
 tttcagcacc ctgcaattgg gccttcaccg gcccaacacc caaaactaga gtctcatttg 420
 tgatcttctc 430

<210> 10232
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10232

agcttatgac aatttgaaat tctcgagagt tttctatgat taattntgag cgtctcgata 60
 tattataagt ctgaatcgga cctacgtgtg aaaagttatg accatttgaa ttttttgaga 120
 gattccgttg ttcaatttcg agcgtctcga tatattatgc gcctgaattt gacttgctg 180
 tgaaaggtta tgaccatttg aattttctca gagcatgcgt tattcaattt cgagcttctc 240
 tatatgtgat gcgcctaaat cagacatccg gggtaaaagt tatgaccatt tgaatttctc 300
 aaaagcttcg gtagttcaat ttcgagcatc tcgatatatt atgcgcctga atctgacatc 360
 cgtgtaaaaa gttatgacca ctttagttta tcgggagctt tccgttttca attgctagcg 420
 tctctatat 429

<210> 10233
 <211> 405
 <212> DNA
 <213> Glycine max
 <400> 10233

cttacttagt catatggaga tcccaaagtc acaagggttg gacatcctta tatacgctt 60
 cttccaaatc aatgccaaact ttggcatttc cagatgcatg ttctgcatac agagaagata 120
 tgatctccat tgcattgaac ccagcattct cagccaaagt tctaggaatc atttgaaaac 180
 ttttagcaaa ttttgctata acatattgat ccaacctgca gggccattga aaatgtttag 240
 tccatcccat tcccggtgca aataccaaat aagcattgaa caaaataaat taagtccaat 300

gaatagagac aataagtatt tocaaataat acacagtaat ggtgccgggt taaaaagcat 360
ctagtgaata gagatagtaa ctatttccaa atattacaca gtaat 405

<210> 10234
<211> 390
<212> DNA
<213> Glycine max

<400> 10234

tggaggacaa aacaaagtag tgtacaagtt cttggttcta tggcataccg tgctcctcag 60
catttgtctc ggtgtctccc taagattggt cccaaattgg ctgaggtata acatgaagca 120
aacattatatt ttcacttcta aattcctttt aagctataga ttgcattacc ttaacccatc 180
tcagtatttg aagggtttga ctgatacaca tctaaagtc cagtcagctg ggcaaagggc 240
ccttcaacac gttagtcttg acttacgaac tattctatcc atttgattcc tgcttgcttc 300
tgtgattaat gtttttaatt ttcattgttt ttccaggtag ggaatgtgat agagtccaga 360
aatatctggt cttgtcccta ctctacttaa 390

<210> 10235
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10235

tgcaagcttg aggcgtgaac ccaccatttt tagtattata acacctgtta tgtgtctact 60
atcattgtaa tcatctcctt ctccaccatt tgnnggacta cttgagctgc caggtccttc 120
cacctctggg cgtattcctg gaatgactca tgccccttct tgcacaagtt ctatagttgc 180
actctatccg gagccatatt agaattatag tgatattgcc taacgaacgc aaccattagg 240
tccttccaag aatggactcg agaagggttt atattagtag accaagtgc aaatgctgat 300
tcatggggca agtagtcccc ttatacttat caaagtccaa gaccttaaac ttcagaggaa 360
tgatgacatc aggactagt cacaactccg cctccttcaa tggccctcag cctntcctct 420
atatgatgca aatttccgct ttctaccata gcaa 454

<210> 10236
<211> 454

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10236

agtctcacga ttgttttatg ttgatgcaac tatttgtag ccgggctata cgagacatct 60
 tgccaaacaa agtcaggta gccataactc gcctgtgctt tttcttccat gccatatgta 120
 gcaaagtcgt tgatcctgtc aagtttaatg agctggaaaa tgaggctgca attatattgt 180
 gccagttgga gatgtatttt cccctgcct tctttgacat catgattcac ttgattgtgc 240
 atctcgtcag agaaatcaaa tgttgtggtc ctatttattt gcagtggatg taccagttg 300
 agtgatacat gaagatctta aaagggata cgaataatct atatcatcca aaagcatcta 360
 ttgttgagag gtacattgca gaagaagcca ttgaatcttg ttcagaacta cattgaaagg 420
 ctaaancctg tggccttcct gagtcttgac atga 454

<210> 10237
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10237

agctngacat ctatatctat aatttgtttt atttatttaa aatttagtgt tcaaatagta 60
 taaaaatgga tttatatttc taatattaat agtttaattc gctttctcgt ttatattttc 120
 atgttactat tatccttgta tattgaattn taaaattgta ttagaaaaaa ttatttaata 180
 tttcacattc taggtttata ctaccatcaa ataatgttta atttactata atataattta 240
 tagtgatttt aaataacagc tagtgtactt aatgtttgaa gtcccagtat atcaacattg 300
 ttgtctcaac aactacattt catatttggt tatgaatgta tctgatgaaa gagtctgtct 360
 tatatatgtg agaacaagag aataactaat gactattaaa ttctattatc agtagttgag 420
 attagaaaca atctagctaa atgact 446

<210> 10238
 <211> 343
 <212> DNA
 <213> Glycine max
 <400> 10238

tcaagcttgc tegtcttgct gatatttata atgcagactt ttctgatgat gttcgatata 60
aattagggat caacttgaaa cttatgtgct tcaagtgaga agaaatgctt ctttttccac 120
ttgtgaagat gttcaaagtt tggctatgaa gatgggtcaa actgagaaac atttggtatt 180
tccattgggt tataaactta ttgagctagc tttgatattg ccggtgtcga caacatccgt 240
tgaaagagct ttttcagcaa tgaagattat caagtctaaa ttgcgcaata agatcaacga 300
tgtgtggttc aatgacttga tggatatgcta caccgagcgg gag 343

<210> 10239

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10239

gagaattgca ctaagcaatc actacgcatg gctccaagct ccacggtgaa ggacgcatga 60
actaaatcgc cattcatggg gctcccgaaa aggggttgagg atggcgaatt gcactaagca 120
atcactatgc aatgctccaa cctcctgcgt ggaggacgca tgaactgaaa cgcaattcat 180
ggcgtccca aaaaggggtt aggatggaga attgcactaa gcaatcactt cgcatggctc 240
caagctcgtg ggtggaggac gcatgaacga aaacgcaact catggngctc cgaaatagga 300
ttgagaatgg agaattgcac taagcacatt acggcacatg gctccaaact cat 353

<210> 10240

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10240

ntccatgaag aagaagtttg gaggtatagg attntgtaat ctctatggat tcaacctagc 60
catgttagga aagcaggggtt ggaatttgat taataaccca catactacaa tttataaaat 120
tctcaaaaat aaatattatc caaatgttgg attcttagat gccaaactag ggcataaacc 180
aagctataca tcatatagta tttttgcttc acatatattg gtcgaagaaa gcaattagt 240
cagaaaaagt gatggttagct ctataaacgt ttggacccaa ccttgggtgt gagcatcaac 300
aagcccatat atcattcat caaccctgct cgatcttgat gatctcaaag tcagttcact 360

catcgacaac caacaacgat gttggcgctca agatgtgcta caacaaat

410

<210> 10241

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10241

gctcgccgcc acggagttnt tgcactatgt tcttgtgtgg nggttctatc tacaaaagga 60

gagagcaaga aatgaagagc caatggttga tacatgggta gagatgaaaa ggatcatgag 120

gaagcgggtat gtgctgggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180

ctaaggcaac aaggggggttg aggagtatct caaggaaatg gatgtgctta tgattcaagc 240

aaagattgaa gaagatgagg aggtaactat ggctcgatct cttaatgggt tgactaatga 300

tatctgtgat attgttgagt tgcaggagtt tgttgaaatg ggtgatttgc ttcacaaagc 360

aatccaagta gagcaacaat taaaaaggaa aggagtggct aagaggagtt ctaccaac 418

<210> 10242

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10242

aaactcacgc ttagatgttc taaatttntt tattatgtga tattatttcc cattttctat 60

actatgctag caaacatgaa tttaatgtat tgtttaaaat ataatatatta tatttttgaa 120

aaatctcaat gtacttatat ttatattatt ttgatttaga tgtttataat gtttatgtgg 180

aaaacctttt ttttagagta tacattttca ttgtaatttc atttgtaatc ttgtttagtt 240

tctctgtaac agttagtttt tcatttatga tttagtttct tgctgactca gcagtttagac 300

acttattttt tttaaatatt tatattattg gatcagtaat ttgaaacaca ag 352

<210> 10243

<211> 410

<212> DNA

<213> Glycine max

<400> 10243

atctgggtccc taaaaaggat gggacatggc tgtataagca agcttcatga tgatgaatca 60
 agatcgagtc atggagtttt gatgatgcc aagaatcaag agtcaagcaa attccaaaga 120
 ttcaagaatg aagctccaag aatcaagatc aagattcaag actcaagatt caataatcaa 180
 gagaggactc aattaagata agtattaaaa agttttttca caaactgagt agcacatgaa 240
 tttttctcaa aaccttttac caaagagttt ttactctctg gtaatcgatt actagattat 300
 tgcaatcgat taccagtagc aaaatggttt tcaaaaagct tactaactga atttataacg 360
 ttccaattaa tatcaaatg ctgtaatga ttacaagtat tttgtaatcg 410

<210> 10244
 <211> 246
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10244

gcttctgggc tgagctngga atngacattg ttattgaggt ttattcccca tttcttgact 60
 tatttcaaac acgatccaat attgtttact tattgaagag ctcttaaaaa gaacaatgag 120
 tgagattttg ttcacggaac cggagtgttt gtggatggcc ctgtggctgg cgaacacatc 180
 caagcacgtg ctaaaaaggt tatcatcact gctccagcaa aggggtgctga tattccaact 240
 tatggt 246

<210> 10245
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10245

cataattcat atggatcaac tttcacngtt attgttttgg atcgccaaaa aaaaaacaat 60
 ttataatata atttattcta attcatgtat aaataaaaaat aactattttt ataatgttta 120
 agagaattaa ttgaaataat ttaattttgt taatctgaag taaaatataa aattattcct 180
 aaaatgtcat tatttgaaat ttgatatcat gaataaaata aaaattttga aaatacaatt 240
 gtaattaaac aaagaatgtt ttaagaatca tattattaat tatggacaaa attatttgag 300
 tccaacatac aaattaaaat aactgttttg cttatatata aatgcaaaaa actacaaact 360

aaattaaatc aaaccaaaca aattaaatat aactattttg gatttaattt tattttt 417

<210> 10246

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10246

ntatgcaagt caattntcag gaggcattct ggagagaatc ttnttcggac ttatntgcgc 60

aaaatctctt gaactaggaa gatgttggtcc atcatctttc tgttcttaac gaaagcagtt 120

tgagtttccc caataatagt ctcaagcact ggggctatgc ggttgccag aatttttagac 180

acaatcttgt ataacaaatt acagcaagat atgggtctaa aatgggtaac ctgngaggcc 240

tgatcatgct taggaataag cgcaataata gcatgggtga gctactttag aatttttcca 300

gttgtaaaga attcattaac cgctgcaaag atatcatcac caatgatatt ccaagccttc 360

ttgaagaata aaacattgaa accatctggc ccaggagctn tattgttatt catcacagaa 420

at 422

<210> 10247

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10247

gcttatatat ataaaaagat atatccttta cttattttaa ccaaanacaa ttttgatatg 60

tggttggttta tgtaattttg aaataaaaat atatagaaag ataaaacttg aaaggttata 120

tatagaaagt tcataaagtc gtaaaagatg aatatataaa aatgcgtcaa aagtacatga 180

tgaagatagg gtgaacagaa gttgggttaa gtgaatnttt gacaacggaa accaaaataa 240

taaaataaaa aaaaaaagaa aaaagctatg gaaaacttgc gtgtcccaa agctatgggt 300

tgtagtctga tgcagagctg ctgagataag gatcatcaga tcgaatatct tcctccatac 360

tgccttcttc tctgactata tggattccaa ttgctntaat gactgagctc tctaactct 419

<210> 10248

<211> 401

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10248

agcttgtgct aagaangctt tatccatttc atcatattnn aagaaaattg aatgtcatga 60
 tccatcactt ctctgcatat atatttagta ttaagatgtg taccaacaat cctaaaatgt 120
 tctgtgcaga tattttccat tgaaagacac tacacaagat tagagactcc gaaattaatt 180
 ttgttttatg ccaattgcta ttatgctttg ttgtgtcttg ctaaattgcat atttaatttg 240
 aagcaacttc attatTTTTTg tgttatctgt taatgggtta attggataat agtttacaag 300
 ccacgtaata tataattttac atatatgtgc agagatgtaa tattgtcatg taaattttaa 360
 tatttaatta ttgttatgtt agagtatgtg catgcaattg t 401

<210> 10249
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10249

actcagctag cctagaatta acaaggaatg ttatcatata ttcaattttc attaagtagg 60
 aataatactt gcaaataaac cacacctgca taactgatga agagctgagg ttcttaaaag 120
 gtaagctttt gaaagggttg ggtttacttc tatcgagca tttagatcat caagtgccta 180
 tatataatct ttcactttta tgttctgtga tgctgtctca aacaactcag caacattatc 240
 aggttttcga tctaatacaca tccaaaaaaa caaaacaaat acagttcagg cctcgaagag 300
 gcgtangagg tgcattgtgc angtgttgcc ctcgtaccac accgaggaga cgccaacctg 360
 cgacttggcc atgttgtcct cggagagacc cacaccatgg agcatggcct gngaagtgcc 420
 ctangacttg nngctcgtga tgcggaagtt gtacctg 457

<210> 10250
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10250

tctaaagtcac ctgcggcatg caagcttcag gcaatcctac nncagagaat ttcactttta 60
catctattcc aaangctgag ntttctactt caaatgctac tgtcaataat acttctaata 120
ttgtttcaaa ttctgatggt acctcttcca gtagtgctaa tctttggcat gctaagttag 180
gtcatcctaa tgagcatgta atgaaaatta ttctcgaata gtgtaatatt tctcaactga 240
ataaaaacat cacagagttt tgttctcttt attgtatggg taaagctcat aggttaccct 300
ctcacggctc aacttctggt tattcacctt tagaattcat tntcactgac ctatggngac 360
cctgccatgt tacctcttat gttggctata catatgatgt ttccttcatt gatgctctct 420
ct 422

<210> 10251
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10251

agcttgacca ataaagacag tatcatatta tactgttggg natnaatagg ctctttctgt 60
tttcccacca agtagctttt atacagattt ttcgaaatgg cctctctcat caatccagt 120
agaccttcac ccacaatatt aaagagcaaa ggggctagag ggtccccttg tctcagacct 180
cgagtagggg caaattcatt agtagggcta ccattcacta aaatggaaat agttgctgat 240
tgaaggcatg cagcaatcca ttgcctctat ttagtgcaga agcctaattct tgacagcata 300
tagtccaaga aagaccaaga tacagaatca tagcagattt acctgggtta gtttactaaa 360
gggttaaattt caagtgctat ccttagtaca gaatttcata gctnttggtg aaagacag 418

<210> 10252
<211> 412
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10252

agctttntgc tttacgctat atgaacattt ttgcttcca acaatgagaa ggtgaattcg 60
tgggttctgc actttctcat gatttcgtgg ttctcgtgaa aggtaaggca caagcaataa 120
agggacaatt agagtcttat acagggacgg ggtaatatta actgagaagt gttagaaata 180

tattattttt aatagattaa aatttattga aaaatataaa ttttttgtat tattaaatat 240
gactagttaa gatacccatg taatgtaaat tttttgtatt attaaattga attatatgtt 300
ttcaaaaaat agttaaatac tattgaataa aagaaaatta ttaccgatgt aagagaacca 360
ttgtcaatgt taaactatta aacaaatgta atataagaaa tgttattcta gt 412

<210> 10253
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10253

agcttccgtt gttcaatttc gagcatctta tatgtgtata cattagaanc ggaaatccga 60
gtgaaaagtt atgaccattt gaatttcttc atagcttccg ttgttcaatt tcgtacgtct 120
cgatatgtga agtgcctgaa tcggacatcc gagtgaaaag ttatgaccat ttgaatatct 180
cgagagcttc cattgataaa tttcgagcat ctcgatatgt gatacaccag aatcggacat 240
ccgagtgaag agttatgacc atttgaattt cttcatagct tccgttggtc aatttcgtgc 300
atctccatat gtgaagcgcc tgaatcggac atctgagggg aaagttatga ccatttgaat 360
atctcgagag cttccattga tcaatttcaa gcgtctcgat atatgattcg cctgaatcgg 420
a 421

<210> 10254
<211> 481
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10254

tcaattggag tcttgtcttt tacagactta tttagacatc tgtngagtat gtaaacagca 60
gtgtagactg cttcagccca gaatgtgtta ggtagtcctt tatccttgag catcgatcta 120
gccatttcta taactgtgcg attctttctc ttggacactc cattttgttg aggagaatat 180
gcgactgtaa gttgtcgtc aataccttca tcttcacaaa atctttcaaa ctagcgagag 240
gtgtactctn tgccgcatc acatcttagt acttttatcc attttccact ttgattttca 300
gcaagggcct tgaactttnt gaatactcca aagacttctg atttttcttt tagaaaatat 360

acccatgtca ttctagagaa gtcacatg aagagtatga agtacctgtt gttctcatgt 420
 gatggcgctc tcaatggctc acacatgttc gtatgtatca gctctaataa aattttcgct 480
 c 481

<210> 10255
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 10255
 accacattca atgttcccat caaaacactc actatcctac ggaaagattg cctaacagta 60
 ttacacacaa atggaagctt ggtaacctat tgtatgctct caacacaatt tcaatgaaag 120
 gcctttctgg tacaaaactt gaaacctatg actgtacgta catggctgat tacaaaatta 180
 caaaacgggc ctttaactg gtggctcttc tttctttggg gactcactca aacactagtg 240
 cttgtgactc caatatttct tgatgtggac ggacccttct ttcttgact 289

<210> 10256
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 10256
 cgcataaaat atcgagacgc tcgaaattga acaacgaatg ctcttgagaa attcaaattg 60
 tcataacttg tcacacggat gtccgattca gctacataat atatccagac ggtcgaaatt 120
 gaacatcgga agctctcgac aaattccaat ggtcataact tttcacaagg aagcccgatt 180
 ctacgcgcatc acgtatcgag atgctctgaa ttgaaaaccg gaagctctca agaaattcaa 240
 atggtcataa cttgtcacac ggaagtccga ttcagacgca taatatatca agatgctcga 300
 aattgaacaa cgaatgctct cgagatatca aatggtcata acttgtcaca cggaagtccg 360
 attcatgtgc ataacatatc gacacgctcg aa 392

<210> 10257
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10257

agcttccccgc atgtattaag agacggagta attggaattg ncaagagaaa gctctcggta 60
 accacactgc caaaagaaat tagtagtatac atttatcaga aatgatcggt tgaaaacaat 120
 tagatcatat tagccttatt tttatttaat gaaaaatata actattaata tagatattgt 180
 gaatttatac attaagatta tgacatatta tattaacaaa caatttagtt aatataaaat 240
 attgatacat tattaatatc aaatatttgt ataatatgtc atattattaa tgtaaattctt 300
 catagtctat attacttatt aattaattta atttttcata ggcataaaaa tacaataat 360
 taaagtaatt ctaacgtctg acaaataatta attatctatt agtaaatac 410

<210> 10258

<211> 329

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10258

agcttgaaat ttaacaacgg aagccngtg atatttttag gttataacna ancacacgga 60
 ggtccgatac tggcgtatag tatatcgaga agtcataat tgaacaagga gagctctcaa 120
 gaaattcaaa tggtcataac tcttcacacg gaagttcgat tcacgcgcac aatatatgga 180
 gaagcttgaa attgaacaac ggaggctctc gagaaattaa atggtcataa tttatcacac 240
 ggaagatcga ttcaggcgca taatataccg agacgctcga tattgaacaa cggaagctct 300
 cgacaaaatc agatggacat aacttatca 329

<210> 10259

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10259

agcttaacag tagaattggt tatctggata atcaaaccat cagtcacaag gccgcatgcc 60
 aaagtacaga cattaggttg gaaaccaact gaatcagtca catcagtaaa acttaagcca 120
 actgacaata ttctgggttc ctcaacaaat gatagaacca gaaaagaatg gtgtgaatcc 180
 gtaactctca ttcggaccgt ccaagtagca gttaccctt gatatataga agcagtccta 240
 tgtagatttt ccacattaat accatttcga ataatcctta atgaccctc tgggtgccaca 300

ccacagcaag caaacatttg atcttgcttc tcatcatgat aatctacaac ttccatatcc 360
aagaatgggtg caatgttttg aatanggttt atatagcac 399

<210> 10260
<211> 354
<212> DNA
<213> Glycine max

<400> 10260

gagcgagagc tataccgagc caccctcctt caccacgaac ttcgtcacgc tgggggtgaat 60
atccatcgag tgcgccctaa cgtcgccaaa ttagtcagtc ttcgccacga accggaagaa 120
ggtagggggc tactccaatg gcacatcggc gtcagagcgg aaaggaaact ccatcacaca 180
actgaacacg tgcgggagtc actgaagcat tttgccagcg ataccaaca gtggctgaac 240
atacgacaat ggattgcccc cgtcgccacc gaattggata tagattttga atggtttagg 300
aacaacgagg aacttatgat attgtgccac catgggacgc tacagagaaa tgca 354

<210> 10261
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10261

agcttcggcc gcggttgattc cggcaacttt aacctgtata tattgagcnc cagctagacg 60
agcgagagct ctaccgagcc accctccttc accacgatct tcgtcacgct ggggtgaata 120
tccatcgtgt gcgccctcac gtcgcccaatt tcgtcagtct ccgccacgaa ccggaagaag 180
ttaggggcct cctccactgc cacatcggcg tcggagcggg aggggaagctc cagcacacag 240
ctgaacacgt gcgggagtc ctgaagcttc tttccagcga tttccagcag tgcttgagca 300
tccgacattg gattcctccc gtcgccaccg aattggatag agaatttgaa ttttcgagga 360
acaaggtgga ccttcatgat tntgttccca ccatggaacg ctacagagaa 410

<210> 10262
<211> 368
<212> DNA
<213> Glycine max

<400> 10262

cccataaggg gtctccaaca tgcaccagg ccctaagaag gatgggaagg tgcgaatgtg 60
catagattat ctggacctga atcaagctag tccaaggac aatattcctc tgacacccat 120
cgatatactc atggataata cggccaatth cgctgtgata tccttcatgg atgggttctc 180
cggatacaat cagataaaaa tgggtgccaga tgatatgcaa aagactacct ttttcaccct 240
gcggggggacg ctctattata aagcgatgtc ctttagactc aagactgccg gtgcaactta 300
tcaacgggct atgagagctt cgttcacgat atgatgcacc cagaaatcga cgtctatgtg 360
gaccacat 368

<210> 10263

<211> 432

<212> DNA

<213> Glycine max

<400> 10263

ccaaccgagt acaatctttt gttatgttgc aattttatat attcttgatt atgctaattc 60
ttaaaaaata tgggtatttga caaaacaaga caaacaacac aggataaaaa aacaacacaa 120
aacatataag ttacaagata gattttttat cttgtatatc gcttgataaa taattgacaa 180
gtaaaataat ataaaatcta ttaaaatact tcatattagt tatcttaata taacttaagt 240
tatattttaa gtgtttacta aaatatttct tgtatttttt cattcttaaa attagagata 300
ttaaaataaa aagaatctga tgttcttttt aaataattac gttagttatt aattttttgg 360
ttataaagaa aataaaaatg atatcgcccc caatttttta aataaacata aaatattgcc 420
tatataattt ta 432

<210> 10264

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10264

ngagaacatc cttgaaataa aagaagaggt aaagaaacaa tttgacgctg gttntttggc 60
tgtcactcgg taccagaat ggggtcgcaa cattgtacca gtccctaaga aggatgggaa 120
gggtgcgaatg tgcatagatt atcgggacct gaatcaagct agtcccaagg acaattttcc 180

tctgccaccc atcgatatcc tcatggataa tacggccaat ttcgctttgt tttccttcat 240
 ggatgggttc tccggttaca atcagataaa aatgggtgcca gaggatatgg aaaagactac 300
 ctttttcacc ctgtggggga cgttctatta taaggatgat tccttttagac tcaagactgc 360
 cgnggcaact tatcaacggg ctatggtagc tntgttcac gatatgatgc accgagaaat 420
 cgaggtctat gtggacgaca taattttcaa gtct 454

<210> 10265
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10265

agcttagagg gaacataaag agcctcattt tttgggtaat gggangcagn gcangcctca 60
 tttcaattga tcttgctaag gaccttctcc aagtccaccc caattcttat gcattgggtg 120
 ttagcaccga gaacatcact ttgaattggt actctgggaa tgacctatcg aagcttgttt 180
 ccaattgttt gttccgtatg ggaggggctg ccattctgct ttctaacaaa ggctctgata 240
 ggaggagatc aaaataccag ctgggtgaca ccgttcgcac taataagggt tctgatgaca 300
 agtgctatgg ctgcgttgtc caagaagaag aatccagtg caagaatggt gttactttgt 360
 caagagattt gatggcagtt gctggtcatg ctttgaaaac caacatcacc ac 412

<210> 10266
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 10266

agctggtaca attaaacagt ttttattata atctgatcca aactaatcct aaaacttgaa 60
 ttgtgtagaa caaatcaaca gtcatagaaa cacaaatgat gagttggcat tcggcaacca 120
 catcataaca tgagatgagt aatgagttgt ttctattgga atgttcacaa gaagaaaagc 180
 atagaatttg aggggaattga agcaaaagaa agaaagaaga aagattaaat taaaaataac 240
 cttatcatag gcaaggcgtg catttgggtc agagagaatg gaataagctt cgttgagtat 300
 gatggccatg tcatggccag cagggccagc aatgtcaggg tggcagcgct tctgaagaga 360

gcgatacgcc actttgacct gtgactgatc acaagagctg tc

402

<210> 10267

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10267

agctntaccc tttatttaca ttaaccactt tttataacaa cagcacacac tcctctgcta 60
gtgtccacaa cagtctcctt agtccaaaag aaatacataa tactgttgta tctagttctt 120
ttaaactttg gcatcaaaga ctaggccatc ctaacaagga tgcactagca attgtactan 180
ataaatgtaa tataccctct atcaataaaa ctagcagtga tttttgtaat tcttgctcta 240
tagccaaatc tcacaaacta ccctcttctc cctctnttac tgtttatact gcacctcttg 300
aattagtatt ctttgatgtt tggcggccct cttcagtaga gacatcttgt ggattcttgt 360
attatctaac 370

<210> 10268

<211> 419

<212> DNA

<213> Glycine max

<400> 10268

agcttcctat ataaattgaa atgaatatta attgtatgga acaatctagt ggtaataaaa 60
gtaaaataaa ggaatgctac tctaacaaaa acgcgtgggt tgaaagacat taagaaagaa 120
aaagatatac ctctcccagg tctgctgcca tgcgcaatt caaacctgac tgctcttctt 180
agcttcttac aaggttcaca aatacgcaca ggtgaatcac cttgtccgag taaaaccatt 240
ctttgtcgag tacaactgcc gcaaaagatt ccccccacacc tcctacagtg atgctgaaaa 300
ataaaataaa attgcaaaaa aagtaaataa aaaaattttg gacaaagaat tcagtttgag 360
ttcaatcaga ttcatcttta tactgtaacc aaaaaaatt cattcttata agcaaacgt 419

<210> 10269

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10269

cagatagagc ctctagagac actgataaga catcttccat ggtaataatt ccaacggctt 60
cttcttcttc agggagcttt ggaaggggac ttccatctat ctccaaaata tccgagtaca 120
tattttttga ccattttctg ctccgagaac ccctatttga tgacttgttt gtatttggaa 180
agctnttcca cttgtggagt ggcattcttg gtttcaaagc tttctctttg ggaggctttt 240
caccatcaat atccacctta acatctctca ccgagtctat ttcagaggcg tgagacacgg 300
agca 304

<210> 10270

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10270

agcacctctn ttctcacctc ttcttctat tttgggtttt gtcgtctctg gngttgtag 60
actggcctgt tattgtcttc catcattatc ctatgtatgc agtaagcagg gctaattcct 120
ttgagattca atatatgcca tccaatcgct tccttatggt tcttcagaat gtctaccaac 180
ctattttctt cttcttttgt tagtgcatta ctgatcacta tagttntagc gtcactctcc 240
tccaggaaca catacttcag atgattagc aatattttta gctctacctt ctttttttcg 300
gacggaggct ccttcttttag tgtctcaaaa ccggtctctc cctcaggaat acttcttctg 360
cgatccaagt cctccaggc agtctagcgc atttaccatg gctntntcca gcgaagtctg 420
tgggtgtctcg agaatactga cgtcttctct atcaatctcc tgcactct 468

<210> 10271

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10271

ntacaacaga tgccactcta tgctaaattt ctgaaagaca ttctaactaa gaagaacaag 60
tatatccaca gtgacaccat agtcatggag ggaaactaca aactgttat tcaacgtatc 120
cttcactga agcataagga tccgagcagt gtcactatac tttgttctat aggtgaagtt 180

ttagtaggca aggcctcttat tgatttaaga gccagtatta atttgatgtc gctctccatg 240
 tgcaggagac ttggagagct ggagataatg cctactcgga tgaccttaca gttggctgat 300
 cactccgtca ctagacccta tggagtgatt gaatatgttc tggttaaagt caagcatctt 360
 atctttcttg cagatnntgt ggttacggat atagaggagg atcctaaaat tccccataat 420
 ttt 423

<210> 10272
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10272

agctngagcg atgtggaaga tattgaaatg ggttnaggta actgatcgcg tggggggaaa 60
 atggattttg gggctttaag ttatgaataa gacaacatcg gtttcttaaa caaaaccgat 120
 gttaacttta caatgttaac atcggttttt tcaaaaaccg atgttaactt tctacagtta 180
 acatcggttt ttcaataacc gatgttaaga tattaatgtt aacatcgagt tttggaaaaa 240
 tcgatgttaa catcaacttg ttaacattgg ttttttcaaa accgatgtta attaagtcaa 300
 cttatttacc aaaatgccac cgtgctttta tttacatcgc ttttgcgaaa aactgatgtt 360
 aagcttgcca tgttaaataca ataatttgta gtagtgattt accacagtat tt 412

<210> 10273
 <211> 262
 <212> DNA
 <213> Glycine max
 <400> 10273

agcttccaca catcattttt ctggaattgc ttctgaatag ccatttagca cctactgctt 60
 tctttccttg aggttctaga gttgtaaaact ctataggcct tagatatattt aaagtatcca 120
 agtattattc cattatcaca cttagagtca aactttccca agttgtcttt aatatttaga 180
 atgaaacatt gacatctgaa aggatggaaa tatgaaatgt tgggctttca tcctttccac 240
 agttcatgtg gagtcttttt ca 262

<210> 10274
 <211> 261

<212> DNA
 <213> Glycine max
 <400> 10274

agcttgttca ataaagacag tatcatcagc atactgaagg atattaatag gctctttctg 60
 ttttcccacc aagtagcttt tatacagatt tttcgaaatg gcctctctca tcaatccagt 120
 gagaccttca ccacaaatat taaagagcaa aggggctaga gggccccctt gtctcagacc 180
 tcgagtaggg gcaaattcat tagtagggct accattcact aaaatggaaa tagttgctga 240
 ttgaaggcat gcagcaatcc a 261

<210> 10275
 <211> 264
 <212> DNA
 <213> Glycine max
 <400> 10275

agctttgtat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatttcc agattgcaac tcttggctac aaaattcgaa aatctgaaga tgaaggagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgcct gcactgcctt 240
 gggagagagg ataacagatg aaaa 264

<210> 10276
 <211> 262
 <212> DNA
 <213> Glycine max
 <400> 10276

agcttttttac tgaatttgca tcgttccaat tgatttcaaa atggtgtaat cgattacaag 60
 atattggtaa tcgattacca gtgtatctga acattgaaat tcaaaatcaa ttgtgaagag 120
 tcacatcctt tcataaaatg ctttgtgtaa tcgattacat ggttttggta atcgattacc 180
 agtgacaagt tttgaataaa aaagtcaaga gatgtaactt ttctaattgg tttcagggtt 240
 ttcttaagat tataactctt cc 262

<210> 10277
 <211> 263

<212> DNA
 <213> Glycine max
 <400> 10277

catgcaagct ttttgtttct tgaataattc aaaccctta aacagttacg acggctaatt 60
 tgcttagctg gtagctgcct ggccgcacag ataatgagaa taagaactac tggaacaccc 120
 ggatcaaaaag gtgtcaaagg gctgggttgc cactttatcc tccaaaagag agtttgcaag 180
 ctttgcaaga gagccaacat agccaaagct ctggtggact taatggtggc gaaaaaatgc 240
 atcctgattt cttgcagaaa aac 263

<210> 10278
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 10278
 agcttttttta tcaagttacc aaatgcattt cgaagccgc gaggaagagc attcattatc 60
 ttatccagct cagtttttga atcataaaca atttttggac cccactctct cataaattgc 120
 aaccattgag gctctctgac aacatctcct agatactcgg ctgcaacaag ctcgatttga 180
 atgctagaat ccacatacaa atgactacga gtagcatcat tcctaatagcc aatcccaagt 240
 tttgaagacc cttggagat 259

<210> 10279
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 10279
 agctttgaac tgatattctt attattcaat gcattcctca tcttgtaaac atagtcattc 60
 aaagcattca ttgtattagc cttcttcatg aacttctat catcaacctg ataattctca 120
 gcttcatgaa tcattcttat aatctcctca gctgaaagcc ttttttggtc attggttatg 180
 gtaatctcat tcctataacc agtggttggt tcttccacag aaacagatag aaggtcgttt 240
 acatctatag taaagctaca 260

<210> 10280
 <211> 263

<212> DNA
<213> Glycine max

<400> 10280

agcttattttt tttaggctcc gtaaaaaaag gaaaatagca taaagagaca atggggtaga 60
gaatttttga aatgcttagt tacccttttg gataatatga taagtatctt cagcagctga 120
tcgcgtggct gcgacctgaa attggaagtg aaaaaataa ataaataggg caattaatta 180
aggaaagaga aagagaagag aaaataactt acagctccga tcttaaggaa accatcaaca 240
gtgagattga gaaatggatt acc 263

<210> 10281
<211> 348
<212> DNA
<213> Glycine max

<400> 10281

tggtctgaac tgttcaactcg gatctctgat ttaggcacat cacatatata gacgctcgaa 60
attgaacaac ggaagctctc gagatattca aatggtcata actctaactt ggaggactga 120
gacaggcaca taatatatcg cgacgccccg aattcaacaa cagaagcact tgagataatc 180
aaatggatcat tacttttaac tcagatgtac gtgtcccgcg catcacgtgt cgatactctc 240
taaattgaac caccgacgct ctcgagataa tctaattgggc aaacttccca ctctgggacc 300
gaatcacgag catcaacatc gagacgctcg taattgaaca atggaagc 348

<210> 10282
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10282

atgtctctng gtgatggat tgagatgccc gatctnttta gtgttggcca gtttggagag 60
caagtctact ctagtgttgn tctcccttgg tatgtggaac aactcatagc aatcaaagtc 120
atcaatgatg gtttttgcaa catgatagta cttgaacctt ggcttgatat ntgtttgcaa 180
cttgccctta aacaaggtat gagtcagtgt aacaccttat ctttttggct ttaacttctt 240
ttgctagctt taggcatggt ataagtgcct catatcttagc ttgattgttt gatgctttga 300

aattgagctt gagagcttgc tctaaagtaa cattgtcgag cccttcaagg atgatgctng 360
tccctac 367

<210> 10283
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10283

agcttctaca ttcaatntcg agctnttcga tatattacgg tactcaatcg gacatccgag 60
taaaaagtta ttgtagtttg aatttgctca gggcttcgggt attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttgttt gaatttgctc 180
agagcttcag tattccattt cgagcatctc gatatattac gggactcaat cagacatcgg 240
agtaaaaagt tattgtagtt tgaatttgct cagggcttcg gtattccatt tcgagcgtct 300
cgatgtatta cgggactcaa tcagacatcc gagtaataaa gtattgtcgt ttgaatctgc 360
tcagagcttc tacattcaat ttogagcttc tcgatatatt acgggactca atcacacatc 420
cgagtaaaaa gttat 435

<210> 10284
<211> 451
<212> DNA
<213> Glycine max

<400> 10284

agcttgaacc aggataacag tttatatcta tatcaattag agtttatcga agtagaagat 60
accacaccat ggcaagctaa tgtaacttgc tccaagggca aagtttccaa tccatccatt 120
ttgttttaac tagaaagaaa tgtagaactt ggtcaaata tcaaaataag caagagaaat 180
agaaaatata aagaaaaaat caggacaatt aaaaaaaac tacctttaaa ggaggcgcag 240
aatatatata agacagtatg gctccacca ctgcaaggta aaatactata gggaaatcat 300
gccctgcctg taaaagagaa tacttttacc aatcaagctt ctgataaaaa acgaccatga 360
gactattgtg tattgtaccc acccatatgt ccaatatacc agccagagaa agaccaccaa 420
gcagcaacac ccatatttga gtgattacct g 451

<210> 10285
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10285

agctntatct aanattntgc attntgtatg atagatgttc tctctttggc attgagatag 60
 atcacaagat tgacctccaa ggagccttct aaccattagg aggtcacctt cttcatgggg 120
 gtagacttcc tcactagact ctttcacccc ttacttcac ttcacttcca ctagaggaag 180
 aggaagaagt agtctcctct tgactactat aaatgtcttg acccctcata atcatgggtt 240
 tctttatggg gcattgagag gcaatgtgac ctctcccaag acatttgaag catttaatgt 300
 ttcttgttct ttcttgggaa ctagtcttag ggggtggattt ctctattgtg ttacccttat 360
 cttccttggg ttntgaaagt gcagccccc aaattccttg gagtttgtcc ttccttggat 420
 aagagtga 428

<210> 10286
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10286

agctntaatc aagacaaaga aattaaagat attcaagatg gatgatcaag acagtctcta 60
 gagtcttagg aaggggtatat taaataggaa gagaattcct aactgaagta gcaaaagggt 120
 tggccaagta atttaagtta aaaagtgttt ttcaagagat ttactctctg gtaatcgatt 180
 accagaggat gtaatcgatt accagtgacc aaaaatgatt tacaacagct attaaaattt 240
 gaattcaaaa tttgcattgt gtaatcgatt acacatatat gataatcgat taccagcagt 300
 tattgaacgt tntaattcaa attntaaagc ttgtaatcga ttacacacat actgtaatcg 360
 attaccagag aagattttca naaaatattc tcaacagtca catcttttca ttttgttctt 420
 gatggccatc acaggcttac atatatgtga tatga 455

<210> 10287
 <211> 477
 <212> DNA
 <213> Glycine max

<400> 10287

agcttctcga tatgtgatgt gcttgaatcg aacatccgag ttaaaagtta tggcgatttg 60

aatttcccgga gagcttccgg tatttaattt tgagcatctc gacacatgat gcgcatgaat 120

aggacatccg tgtgaaaagt tatgaccact ataatttctc gagagcttcg ttgttcaatt 180

tccagcgact cgatatgtaa tgcgcctgaa tcggacatcc gaggtaaaaag ttatgaccat 240

ttgcatttct cgagagctct cgtcgttcaa tttcaagcgt ctcgatatat tatgcgcctg 300

aatctgacca gcgtgtgaaa agttatgaca atttgaattt ctcgagaact tcgctttcaa 360

tttcgagcgt ctcgatatgt gatgcgcctg aatcggacat ctgagtgaca agtgatgacc 420

atatcaattt ctcgagagct tgctgtagtc aatatcgagc atctcgatat ctaattc 477

<210> 10288

<211> 136

<212> DNA

<213> Glycine max

<400> 10288

tgaatcggac atccgtgtga aaagttatgt ccacttgaat ttctcaagag cttccgtagt 60

tcaatttcga gcttctcgac atattatgcg cccgaataag acatccgtgt gaagagttat 120

gaccatttta atatct 136

<210> 10289

<211> 405

<212> DNA

<213> Glycine max

<400> 10289

agcttataat atatcgatac gctctaaatt aatctttgga aactctcgag aaattcagat 60

gatcatgact tttcacacgg atgtccgatt cgggtgcata atatgtcgag aggctcgaaa 120

ttgaacaacg gaagctcttg agatattcaa atggtcataa ctattcacac gaatgtccga 180

ttcgatccca taatatgccg ataggctcga gattgaacaa cagaatctct tgagaaattc 240

aaatggatcat aacatttaac tcgcatgtcc aatttaggcg catcacatat agagatgctc 300

gaaattgaac aacggaagct ctcgtcagat tcaaatgagc ataactgttc aactgatgt 360

ccgattcacg gttatcatat attgatacgc tcgagatata acatc 405

<210> 10290
 <211> 229
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10290

tggagtntcc aagtgccaat tctgtcttctt ctttagtcca ttctttcttct ggcttcaatt 60
 catcaatggg ctttccttct gtgtccagca tctcgagatg ttcccagcct ttgatgacag 120
 ctttcagggt tctgctatcc aatgatttga ggaatgccac catccttget ttccagtatt 180
 ctaatttggg tccatccata atttgnggtc tattcactgg tcttccttc 229

<210> 10291
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10291

agcttgagaa ggttgattnt cgtctcanag tctgtgatga aattgtgata taattgtatt 60
 aaagcatcac cagcctgaaa atttatagga agaaccgttt gtcaaacaaa taaatntaaa 120
 ctataataag aatatgcaca tcagagtatg aatattgttt caatagaagt caacanaagt 180
 tctatcagaa gcaaaagaaa gtaacaatac tcacaaattg tgcaacataa tgaatggaat 240
 caaacataat aggtaattgt taagtagaag cattagaaaa ataatgacta aaatacaata 300
 aagttactta tagtttctca aactacgcat cttgatactg aagtcaattg atgacgtgga 360
 ttgatgcttc accacattga ataataacaa agataacaaa gactttccaa gtgcaatttg 420
 atgcctcana tggcaaaaga atccttgtat taaatggatg atagaatatt ac 472

<210> 10292
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 10292

tatgtctggg caagtataaa tctgagcata cataatactt cctaacattc cagttgcaag 60
 caagatatca tcaacataaa gaattagaaa aataacctta ctcacactga cattcaaata 120

tatacaccca tcaatattat ttttcttaaa tccaaagtaa acaatggat cattaaactt 180
 caaataccat tggcggaag cttgcttaat atcgatatatt gatttcttta attgcacata 240
 atatattcct a 251

<210> 10293
 <211> 474
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10293

agctngctta gccgatgtag cagattctat cttggcaaag ttttgaggat ccacacactg 60
 gtgaataagg aaacgagcct tacaattcat tttcttgat tctctgaacg tactcttttg 120
 tgcttccctt gcattcttct ccaattcttg aagtccaatc gtgacaaact caagaacatc 180
 ctacattcca aagatgattt tcatttgaat gcaccatgca tcgtagttct ttccatcaag 240
 gattggaaaa tgcgctggaa actcggtccc attcatctct acaacaatga agcttcaaag 300
 atcccacact aaaaccaatc aagactctcc caacatcgat ggaacctgaa gctcgtgata 360
 ccaactgtga acccgattgc tcgctgtaca agcaaaccag aaacttgaca aatttggatg 420
 aagttgagtc ttgaatgatg aagacaagag agaaagatag ttatgaagag aatg 474

<210> 10294
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10294

agcttgatca tccactgcac aaggttcaag ctgttgcgca tgaagatgac agtggaaca 60
 tcttgagtgt atattttcag gtggatttgt acacaaagat tcccagcatt cctcgactg 120
 gaagtgtgc taattgggct gatgcagntg ctgaagtcaa gggagaataa ttgatcacta 180
 ctaaaaaagt atgatcaaat tcaaacttgg tgtaaaaaata actaaaaatg tcctagtaat 240
 tctgtttgta gatgcatgtc taatgaaggg aagaagtga cactccccat ttcatcccca 300
 agtaataagg ttcagagttc aggcactgca aaaaccttgt acttgaagtt gtttggtaga 360
 aatgtatgtt acttctatgt taaaaggac tttttcagca gaatcattct tgttgtaact 420

ntataagcaa tactcgtttc ttttaattott ctccctctnn ttcgttccat aaatc 475

<210> 10295

<211> 383

<212> DNA

<213> Glycine max

<400> 10295

tgatgccaac attggagagg ttaatgaaac aacgagatga tgcgctccat gagagggttg 60

atcaaatgga gaatagagat cataatgaag aataaaggag gagaagaggg aatgatggta 120

ttoctagaca aaaccgaatt gatggtatta aactcaacat tcctccattt aaaggaaaga 180

atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240

actatgagga ggacaaaaag gtgaagcttg ccgccacgga gttttccgac tatgctcttg 300

tgtggtggaa caagctacaa aaggagagag caagatatga agaggcaatg gttgatacat 360

ggacggagat gaaaaagatc atg 383

<210> 10296

<211> 234

<212> DNA

<213> Glycine max

<400> 10296

tttccaacct ctatacatat tatgctcccg atatcaacat ccttgtaa atctatgacc 60

attaaaatat caccatattt ttcgacttat aatttccatc gtatcattat attattatcc 120

ccaatcgaaa ctcttatta aaacttatga ccattttaat ttcacatat ctttctttgt 180

tacatcttcg atcgtctatt tttatgatc tccttattct atcatccgaa ttaa 234

<210> 10297

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10297

agcttataat atattgataa gctcgaaatt aatcatcgga aactctcgag aaattcaa 60

ggtcataact tttcacacgg atgtccgatt cgatcgcata ggatgtcgag aggctcgaat 120

ttgaacaacg gaagggtcttg agaaattcaa atggtcataa cttttcacac agagggtccga 180
 tncnggctttt atttatatcg atacgctcga aattaaacat cggaaacact caagaaattc 240
 aaatgggtcat aactttttcac acggatgtcc gattcaggct tataatatat cgatacgtc 300
 gaaattaaac atgaaaaact ctgcgaaaa tcaaatggtc ataactnttc acacggatgt 360
 ccgatccagg cgaatcacat atcgagacgc tcagattgag caacagaagc tcttgagaaa 420
 tatcaatggt cattactttt caca 444

<210> 10298
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10298

agcttatatt ctcgaccaat ctcttttggt ttcgtttgtc cgggatttaa tttattttgt 60
 tcattcctat tctttggatt ttttttttgg tatagtatca tactgtacag cttgtacagg 120
 aatgatgtaa atccttcttt aatatataaa atcttgtctt tgtctttttt aaaaaattac 180
 tctctttgca tttttttccc atttgacgca tgttttctct gataattttc tgagttcaaa 240
 ttttatttaa gacatgtttg gataaattat tttggaagga tttttaggaa taaaaaataa 300
 gaagacaaaa aaaaaccttt tttattgact aaaattaatt tatgcataaa caaatgtgta 360
 gaaattntat catattaata tctctaaaaa atgatttttc atttatacat aaattaattt 420
 taactcataa aaaattcttt cactttttct ttttattgtc tcttttagga gtatatct 478

<210> 10299
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 10299

agctcgaata tcttcatttg agttatgcaa acctatccaa agcatttcat tggctacaca 60
 ctctccaatc tcttccttct ttgaccaccc tagatttgctc aggatgcaca ctccctcact 120
 ataatgaacc atccttgctc aactttctcat ctctgcaaac tctccatctt tccttcaacta 180
 gtttttcccc tgccatttct tttgtcccca agtggatatt caaattgaaa aaacttgttt 240
 ctcttcaatt atggggtaat gaaaaccaag gtccgattcc tggcgggtatt cgaaacctca 300

cactttcttca aaatcttgac ttgtctggaa attcattctc atcttctata cctgactgct 360
 tatatgggct tcacgtctc aagttcctca acctaaggga caaccacttg catgggacta 420
 tatctgatg 429

<210> 10300
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10300

cttcttctgt tcagataggt acccttttga gcttggacta tgctcgaaat gcttttgggtg 60
 atgatgatgg aaacatggcc tccttgttca tgtataactg tcttattaga ggttatgctt 120
 cagcaggggtt ggggtgaccaa gcaatcttgc tttacgttca gatgctgggtg atgggcattg 180
 tgccctgacaa gtacactttc ccttttttgc tgagtgcgtg ttctaagatt ttggcgcttt 240
 ctgaggggtgt tcaagttcat ggggcgggtt ttaagatggg tttggaggga gatatatattg 300
 tcagcaactc tttgatacat ttctatgcgg agtgcgggaa ggttgacttg ngacgaaagc 360
 tgtttga 367

<210> 10301
 <211> 456
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10301

agctgtatct atctgccag ccttacaatg actcatcaat taaagctgta tatgtaacaa 60
 catttggtt ggaaccttca agcaacatca tctcaaatag tttatttgca tcaaacacct 120
 ttcttgcttt caggtatgca tgaataagag aagtataagt caccacattt ggggtgcaat 180
 tgtctcttaa catttcatca aaccaattgc gagcctgttg aataaggcca gctntgcaaa 240
 agctatcaat taaaatagta tatgtataca cactgngaac aatgccattc tttttcattt 300
 cttcgaataa cananaagcc ttctctacct tggaggcatc acaaagaaaa ccaatcactt 360
 tagaatacgt actatcatcg ggaacaaaac ccttgctcat catttcgcat ataatctcaa 420
 aggctntatc aaactttcca gctccacaga gacacc 456

<210> 10302
 <211> 474
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10302

agcttgtgag agcncctatg gtgacctgtg actgaggctt gctggcgagg tctgagacga 60
 accatgacca agtctccaat tttaaattca atatecctgc gcctttttatc tgctgagtgt 120
 ttcataatta cttggggcctt cggaagcttc ttctttaagt cttgaaaaat ggactcccta 180
 ttagtcagaa actcgtcaac agcttccact tttgaggtag ctgtaacata tgatggcaaa 240
 tctggtggcc tccggacaaa ggtgacctcg aagggggaga caccagttcc tgaatgggtgg 300
 gaggtattgt angaccattc ggcccaggga aggaacttac cccacgaaga aggtttcttg 360
 tggacaaaag ctcgaaggta ctactcaagc acccggttca gcacctccgt ttggccgtct 420
 gtttgggggt gataagctga gtcacccctc agttgtgtgc cacttaaccg aaac 474

<210> 10303
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10303

tcagcttgca tacaagattc tccttgccctg gcacttcana accttcttgt tgggtcatat 60
 agatgtcttc ctctaaatcc ccatgcaaga atgcagtttt aacatctaac tgctccaagt 120
 gaagattctc tgcagctact atgctcagaa taactctgat ggtagtcac tttacaactg 180
 gagagaagat ctctgtgaaa tcaattcctt gtttctgctg aaaccctttc accacaagtc 240
 tcgccttgta tcttcttcta ccgtcagatt cttccttttag cctatagacc cacctattct 300
 gtaatgcctt ctttcttctt ggcaatttag ttaaagacca cgtcttattc ttctgaaggg 360
 atgtcatctc atctttcatc gctagc 386

<210> 10304
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10304

agcttaacaa tcaatttcga gcgtctcggt atatacggga ctcaatcaga catccaagta 60
aaaagttatc atcgtttgaa ttggctcaga gcttcaacat tcaatttcga acgactcgat 120
atatgatggg actcaatcag acatccgagt aaaaagttat tgtcctttga aatggctcag 180
agattccaca ttcaatttcg agcgtctcaa tatattacgg gactcaatca gacatccgag 240
aaaaaaatta ttgtcgtttg catatgctca aaggttcaac attcaatttc gagcgtcttg 300
atatattacg ggactctatc agacttccga gntaaaagta ttgtcgtttg aataggctca 360
tagattcaac attcaatttc gagcgtctcg atatatgacg agactcaatc agacatccga 420
gtaaaaagtg attgtcgttt gaata 445

<210> 10305
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10305

agctngaattg aggaagtgtg gaatggtaga atcagtnntg aaaactgagg ggcaagctgg 60
gcatttgtct gctagaggaa ttatagcagc tactgctatc tgaacgtgct caaacgtctc 120
acttaacatt aatagcacgt tcactactga gccaaaacaa attcgaccgt tgcttcacac 180
gtccctctac attcctcatt caaacttata ttttcgtggg aatctcgttt tcagcatacc 240
ccaacagctc tcagagattt acgaaatcat tccaaacgct ctgcttctcc atggctacct 300
caccaaaaga aacttcagct cctgggtcac cctctgtacc atcatctcca tcatccacca 360
nagcaccatc aaaccaggaa cgacctgaat tcaatatcca gcccatag atgattcctg 420
gtcaagcccc tgttcttgaa naactgggtc ccaaacgaca acagggagt 469

<210> 10306
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10306

agcttgtgtc acactttcaa ctgccgaagc taaatatatt gccgcatgaa gttgttgtgc 60
tcaaagtctc tagatgaagc aacaactaca agactttaga gtaaacccttg atcacattcc 120
tctaaaatgg gacaacacaa gtgttatcaa tctaaccaaa aaccctgtca tgcatttttag 180
gactaagcac atagaaatta ggcataatga atgcatcaag catagaataa cattctgttt 240
gtacaagtat gtgattcaca ttgctattca tatcattttt tttgttttagt ttgtgtctta 300
gttattgatt tatgtgcata ctcatagatt tgtttgaata tcacatgttt ttcttagtaa 360
tttcgtgatt tctctttgtt ttaattgatt atgcttggtt ntaatcaatt tttgtatgat 420
atctgtttgg taag 434

<210> 10307
<211> 472
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10307

agcttgtgca tccaataccc tgatgaggat gtcccatatg ttcttaaaac tggactgant 60
ccattgcttc caaagtttca tggccttgca ggtgaagatc cgcacaaaca tctgaaagaa 120
tttcatattg tctgctccac catgaaaccc ccagatgtcc aacaggatca catatttctg 180
aaggcttttc ctcatctttt agaggaggatg gcaaaagact ggttgtatta cttgctcca 240
aggtccatca tcagttggga tgaccttaag ggagtattct tagaaaaaaa atttctgct 300
tccaggacca cgaccatcag gaaggatatc tcangtatta gacaactcag tggagagagc 360
ctatatgaat actgggagag attataaaat tatgtgccag ttgccctcac catcagattt 420
cggagcagct tcttctccaa tatntttatg aaggactcag taatatggag ag 472

<210> 10308
<211> 177
<212> DNA
<213> Glycine max
<400> 10308

tctgtgaaca cctttccttc attaccaccc caatctccca tacatcttct atctatcttc 60
cagccacccc ttcatcacca ataaattgcc tgcatatcat atgatcccca ccacaaacac 120
tctcattcac tcgatttgct ccacacttag aaacaaaaac tctgacgaa tcatatt 177

<210> 10309
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10309

agctngatgg tcagccagag ttgttcattc acattatttc tgacaagacc aacaacacat 60
 tgtctatcat tgacaatggg attggcatga ctaaggctgg taaggttaaa tatttggtta 120
 gtctttgtga gattatcgcc aactgtgctt gttagttagt ctattttctc taatgcttgt 180
 gcgtttgatg ttccagattt ggtcaataac ctcggtacta ttgcctctct tataacaatt 240
 tttcactggc atgcaccatc tgaactgacg aaaacccaaa gataatatat atatatatat 300
 atatatatat atatatatat atatatatat tacgaaaaaa tagttcacat gacaatatta 360
 tggacaatat atattttaac taggaaatca tctatcatgt gtgtcatgat atgcagcgag 420
 taaattntca caacctcatc aacctcaaaa ccacaatcc 459

<210> 10310
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10310

agctngaagc ctcatttgag cttatatgca tggtattttac acacaaaggg aaagggagag 60
 ataactgacc aaatcttttc atggctattc ttccagaaga acgctcccct gatgtagttt 120
 cgtttatagc ttggaccatc tcattttttgc tgacatatcc atccttggtc ttgtctaaga 180
 atacaaatgt atcaacccaa gtctcaaagc tgccctccag ctttggcatc ccaattcgtg 240
 atttctaggg aagtcacgga aaaaaatttg aagatgtagc aaaacatgga aattcaaggt 300
 ttattgttat caatgcaagc atgatgaaat tctaggctgc cctgaagaaa tgcacgaaat 360
 gtccataaaa taaaataaaa aaggaatgaa catatagaat tgaattgttc ataaagtaca 420
 aacatcttct gaattataga aatgatagcg gcataagctg canaaagac 469

<210> 10311
 <211> 474

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10311

agctntacga tcaacaaagt ntgtcaattc atctctaate ccttagacac tcattgggtg 60
 gcagttaaac gtattctaag gtacctcaaa ggggccattt ctcatggtct tcattctcaaa 120
 cctacaattt caggaagacc tctctccatt cgagctctct gttatgttga ttgggtcttt 180
 gatgttgatg atcatagatc aacatcacia gtggcaattt atttgggccc taatttggtg 240
 tcttggtggt ccataaaaca agttgtgaca aggtcaagca ctggagcaga ataccgtagc 300
 ttaactcagg ctacacataa aactttatga attcaaacac ttctcaciaa actgggagtt 360
 cctttcaccg taccagtcatt tttttgtgat atccaaagtg ttgtagcact aacatataat 420
 cctgttcttt gtactcaaac caagcacata tgagataatg ttttctatgt tcga 474

<210> 10312
 <211> 265
 <212> DNA
 <213> Glycine max
 <400> 10312

agcccaagaa cttgagttgc aacctagaca ggtagccgta ttgttccaaa accgtcgagc 60
 cagatggaaa accaaacaat tggagagaga ttatggtgta ctcaaagcca attatgatgc 120
 tcttaagctt aactttgaca cctcgatca ggacaacgaa tccttacgaa agcaggtaga 180
 ataatactcc ttccaaaata taaacaaatt tcgattattt atctgactta ttaatgatat 240
 tttctccaaa ttatattgta tttaa 265

<210> 10313
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10313

agctntgaat nggtctctgg tcttaagata aactacaata agagaaaant tgggtgtttg 60
 ggcaaattccg aggactggtg taaggaggca gcattctctc tcaattgtag tcaaattggat 120
 attccattgt cttaccttgg aattcctgta ggggtcagct ctaaaaatag gtctgtgtgg 180

cagcccatta ttagcaaatg cgaggctaaa cttacaaaat ggaagcaaag aaatctatca 240
atgggggggta gaataaccct cattaattca gtcttaacag ccttaccat ttatttgcta 300
tcctttcttca agattcctaa gcttgtggtg caaaagatta catctatacc aaaggaattt 360
tgatgngca gcctccaaga ctccattaag attccttgng tgaggtggga catagtctgc 420
ctaccta 427

<210> 10314
<211> 471
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10314

agctnggact tcctgtgttg tgggaacctc tccttctca ggtgtacca aaccaatca 60
cctggttcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgcattt 120
ttcttttcaa tttgaacctt cacttgetca tgcaacttct tcacatactc agcttttagcc 180
tgtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
aaaggattaa atccatacac tatctcaaat ggtgaacaat tagttgtgct atggacagcc 300
cgattataag caaactcaac atgaggcaaa caggcttccc aagatttaag atttttcttt 360
aaaacagtcc taagcagtgt gcctaaagtc ctattgacta cctcagtttg accatcagtt 420
ngtgggtgac aagtagtaga aaacaacaat ntagtacaa tcttacccca c 471

<210> 10315
<211> 361
<212> DNA
<213> Glycine max
<400> 10315

atgaagcaat caccaagtca atggtacaag agacttaatg agttcattgt ctctcacggg 60
tacatcagaa gtccctatga ctcatgtgtt tatcatagta aggtgaaaga cgattctcac 120
atctatctat tgctctatgg ggacgacatg ctcaaagcat ctcaaaattt gttggaaatt 180
cagaaggatga agtcactact caatagtga tttgagatga aagacttggg agttgttgaa 240
aagattttgg gcacgggat caagagggat aaagtccaaa agaagttctt tatgcataag 300

aaggaattca ttcaaaaagt actaactcat tctgggatgg catctgcaaa gcaagtatgt 360
a 361

<210> 10316
<211> 327
<212> DNA
<213> Glycine max

<400> 10316

tatgctacat atatctacaa cagacctcct caagctcagc agctaaatca acaacaatag 60
aacaattatg acctctccag caacagggtac aatcctgggt ggaggaatca tccaacacctt 120
agatgggtcga atccttcaca acagcagcaa caacaacaac cttatttttca aaatgctgct 180
ggcctaagca gaccatacgt tcgtccacca atccagcagc aacaacagct acagccccag 240
aaatagaaaa cagttgatgc tcctccgcaa ccttccttg aagaacttgt gatgcaaatg 300
actatgcaaa acatgcagtt tcaacaa 327

<210> 10317
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10317

agcttttggg aaaggaataa gaagaagaag atgttcanaa agatgttcaa aaagttatga 60
aaaaagttat taaaattcaa gtcaagggtc tgctttttata gactcttcat gtctgggtcaa 120
gaaaaccatt agaagagtta taaccttgaa aaaaacctga aaacaattgg aagagttata 180
tctcttgact ttttattcaa aacttgatcat tggtaatcaa ttaccaaaat catgtaatcg 240
attacacaaa gcatttttatg aaaagatatg actcttcaca attgaatttg aatttcaata 300
ttcagataca ctggtaatcg attaccaata tattgtaatc gattacacca tttaaaaatt 360
aattggaacg ttgcaaattc agttaanaac ttttgaaatc aaactttgcc actggtaatc 420
gattacaggt aattggtaat cgattaccag agaataaaaa ct 462

<210> 10318
<211> 363
<212> DNA
<213> Glycine max

<400> 10318

tctgtccctg agatactggt tcccagaaga caacatggag tgtagattgc tgaataccct 60
agccctgcta caattcctat ggaagtatac acggagatgg acaagataat ccgcggtatt 120
gtgagtagca ttctgaatga tgcttctgtg cctgatgctg agaaagatgt tccaacatct 180
tccaccccag atgtttctgt gcctgatgtc aataaagatg ttccaacatc ctccgctcca 240
aatgctgaag ccctcccttc acccagtga gaggaatcaa cagatgatga ggatcaagtc 300
tcagaggaga cccctgcacc aatggcacca gaacctgctc catgtaacct cattgacttg 360
gaa 363

<210> 10319

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10319

caagcttttg canaggaaga ggagaggaag aagttcaaaa naatgttcaa agagattcaa 60
aggttgtaaa agtatatatg aaaagttata tcaagttttt aaaatgcaag tcaaggctct 120
gcttttatag actcttcatg tcagggtcaag aaaaccattg gaagagttat aatcttgaga 180
aaatcttgag aaaaccattg gaagagttac atctcttgat ttttattcaa aacttggtcac 240
tggtaatcga ttaccagaac catgtaatcg attacacaaa gcattttatg aaaagatgtg 300
actcttcaca attgaatttg aatttcaacg ttcagataca ccggtaatcg attaccaata 360
tattataatc tattaaacca tttaaaaatc aattggaaca ttgcaaattc agttaaaaagc 420
tttngaaatc aaactttgcc acttggtaat cgatacagga aactggt 467

<210> 10320

<211> 394

<212> DNA

<213> Glycine max

<400> 10320

ctcagcttaa gaataatggc ctcagcaaac ttcttattcc cagaaggaaa ctctataaat 60
aggcctccta tttttaatgg ggagggttac cactactgga aaactcgaat gcaaattttc 120

attgaggcaa tagacttaaa catttgagaa gccatagaag ttggacctta tgtacccacc 180
atggtggctg gtaatacaac aatagagaaa catagagaag agtgggtctga agaagaaaga 240
agattagtag aatacaattt aaaggctaaa aacatcatta cttctgcctt aggaatggat 300
gaatatttta ggggtgtcaaa ttgtaagagt gctaaggata tgtggggacac tctacaagtt 360
acacatgagg gaacaactga tgtcaaaaga tcag 394

<210> 10321
<211> 480
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10321

agcttgccta attaacctan aattgagaga gaatgattat taaacacata aaacgaaaat 60
actaagtatt tattaccttt acttaacaga aaatacttat aacattacaa aataaccata 120
aattgggaga gtttgatata atttatacaa gttttatata caaaagttag tcgttttctc 180
cgactaacac ttatggtata ttcctagtag tcaaaaacttg ggatgaatca taagaatgtg 240
ttaaggaggt gttgatgatg agttaccaac ttttaattaa aaattgaaat tttaactaat 300
ttaatagttt ttttttttgc tttaatcata tatgttttta tcttttttct ttagttcatt 360
ctatcaattt taaaaccatt agaaattgta atttaattnt ttaaataaat actgaagaat 420
ttaaaaaacta tcataaatca tttntaaaaa aattcaaagtg tcaccttgac acttaataga 480

<210> 10322
<211> 342
<212> DNA
<213> Glycine max
<400> 10322

gcttaacatt caatgtctat cgttccgata tattacggga ctctatcgaa catccgagta 60
aaaatatatt ggttggtgaa tttgctcaga gattcgggtct tcaatttcga gcgcttcgat 120
atattactgg actcaattga acatacgagt aaaaacttat tgtcgttgaa tatttgctca 180
gagcttcggg attcaatttc gagcgtctcg atatattacg ggactgaatc agacattcga 240
gtaaaaagtt atcgtccggt gaatttgcac agaacttcgg attccattct gagcaactcg 300
agtatattac gtgactcaat tagacattcg agtaacaagt ta 342

<210> 10323
 <211> 469
 <212> DNA
 <213> Glycine max

<400> 10323

agcttggttta ccccatgttg taattgctta caatagagct gttcatagca ccactaattg 60
 ttctcctttt gaagtgtgtt atgggttttaa cccactaact cctcttgatc ttttgcctat 120
 gcctaattgtt tctgttttta agcataaaga aggtcaagca aaggcggact atgtgaagaa 180
 gcttcatgag agagtcaaag atcaaattga gagggaaaat aaaagctatg ctaaacaagc 240
 caacaaaggg agaaagaagg ttgtcttcga acccgagat tgtgtttggg tgcacatgag 300
 aaaagaaagg tttccggaac aaaggaaatc aaagcttcaa ccaaggtgag atggaccatt 360
 tcaagtgttt gaaagaatca atgacaatgc ttacaaagtt gagctgcca gtgagtataa 420
 tgtaggttcc accttcaatg tctctgattt atctcttttt gatgcagat 469

<210> 10324
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10324

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgtgtg gatgatttct 120
 ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtcc aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240
 atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300
 atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
 ctttgcaaga agctgctagg gtcattgttc atgccaaaga acttccttat aatttctggg 420
 ctgaagccat gaacacagca tgctatatcc acaacagagt cacactta 468

<210> 10325
 <211> 338
 <212> DNA

<213> Glycine max

<400> 10325

cacacctctc taatagctaa gttcacctca tttagatgag aagctagagc ttagctacac 60
acccccctata atagctaagc tcacccatat gccaaaaaac atgaaaatac aaaaaaagtc 120
cctactacaa agactactca aaatgccccg aaatacaagg ctaaaacct atactactag 180
aatggccaaa atacaaggcc aaaacaaagg aaaaacctat tctaataattt acaaagataa 240
gcgagctcat acttagccca tggactcgaa atctaccata aggctcatga gaaacctatg 300
gccttccttt ggatctctag cccaatctac ttggagtc 338

<210> 10326

<211> 263

<212> DNA

<213> Glycine max

<400> 10326

tcggatagcc gagcaaaatg ttattgacgt ctgaatatgc tcagagctgc ggtattcaat 60
ttcgagcgtc tcgatataatt aagggactga atcagacatt cgagtaaaaa gttatggctg 120
tttgaatttg ctcagaactt gggatttcca ttatgagcaa ctcgatatat tacgggagct 180
caatagacat tcgagtaaca agttatcgtc ctttgaatgt ggtcagagct tctatgatca 240
atttcgagcg aattaatata tta 263

<210> 10327

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10327

tagagcaatt cccttatggt atcaaacata aaaagggaaa aggtaatat gtagccgatg 60
ctctttctcg gcgtcatgca ttactttcta tgcttgaaac aaaattgatt ggtcttgaat 120
gtttgaaaag catgtatgaa aatgatgaaa cttttggaga aattttaaaa aattgtgaaa 180
aattttcaga aaatggtttc tttagacatg aaggctntct tttcaaagaa aacaaattgt 240
gtgtgcctaa atgttctact agaaatttgc ttgtttctga agcacatgaa ngatgtttta 300
tggggcattt tgggggtccaa aagactctat aaacattaca agaacatttt t 351

<210> 10328
 <211> 396
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10328

agcttcttca agccaaaact tgaatgatta gaaatgaaac tattatttcc ataactaagc 60
 anttggttga actgccaatc tgtctgtata cccaacacaa atgggttctga acctgagtta 120
 tcttgaaaat agaaaacatg cttctgatgc cgctgaaccc atatctttac actgcattca 180
 tcattttcgt gtagctcatg tgaagaatta cgaactgtcc tttccatggt acgcacatca 240
 tttcgagtga gaaaatcatc acgggttttgg gggccacctt gcttctgcat cccctctgca 300
 tgggtgctgga ttatcttgtc caacgatatt ccaacataaa gcatagacat cactttctgg 360
 cgtaactcat ccgaaattcg cggagcatac atagct 396

<210> 10329
 <211> 334
 <212> DNA
 <213> Glycine max

 <400> 10329

tgatgcctaa aatgtctttt cttatggcat tggtoctaga tgtgttgaat aatttttcca 60
 agaacaccct ttttaaggtca tcccaactga aaatggacct gggagcaaag tagtatagcc 120
 aatcttttgc cactccctcc aaagaatgaa gaaaagcctt tagaaatata tgatcttcct 180
 ggacatcaag gggcttcatg atggaacaaa caatatggaa etccttaaga tgcttataag 240
 gatcttcacc tgcaagacca tggaacttgg gcaacaaatg tattagtctt gttttgagaa 300
 catatggaac accctcatca ggatattgaa tgca 334

<210> 10330
 <211> 369
 <212> DNA
 <213> Glycine max

 <400> 10330

gctattacgt gaccttagaa tactctcgct tctctgatgc ctatgtgtgg accctcaagt 60

gcaatcctcc attctccact tttttcgga ccccatgaat gtcattgcct agcgctattc 120
atgtgtcctc caccttcgag tctggagccc cacgaatgtc attgcctagc actgttgcgt 180
aattctccat tctccacttt tattctgagc cccatgaatg tcattgccta gcgctgttca 240
tgtgtcctcc accttcaagt ttggagctat gcttcattat tgcctaagtg tggacctctc 300
atagcaatcc tccattctcc acttttttct gagcccatg aatgtcattg cctaccgctg 360
ttcatgtgt 369

<210> 10331
<211> 274
<212> DNA
<213> Glycine max

<400> 10331

aagctggagt tgctgcacat gatgtccaac gttatgtcaa ggaataagat ccggctgcac 60
aatgtacaag gcaagataaa atggcaaagt aagaattgaa gttgcaggat ccacgatgtc 120
ggatacaatg tcttgacatc ctgcccgaga atactggagt tgctgtacaa tgcaagataa 180
aagtcaagtg cagaagtga gctgcaagat ccacgatgtc ggacacgatg tcttgacatc 240
cggcccgata atactggaca tataaatctg gtat 274

<210> 10332
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10332

cgcttaagaa aagagctntg agggttatgt tctcaacaat tatttaataa tctcgaaact 60
gtttatccat atatcttcat tctgatttgt agtttattga ctctgttctg atgactatca 120
tgtgaacagg tgattggaga gtttttgtct ttaaaaaaag ctgctggaat aaaaaaagga 180
ttccagctaa tggatacaag caataaaggc aagactaaca ttgatgaact gcgagtaggg 240
gtgcataaac tangtcacca natatctgat ggggatgttc aaatacttat ggatgctgtg 300
agta 304

<210> 10333
<211> 390

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10333

ttgagccaat tcaaacgaca ataactttnt acatggatgt ctgattgagt cctgtcatat 60
 atcgagacgc tcgaaattga atgttgaatc tctgagccaa tccaaacgac aataacttat 120
 tactcggatg tctgattgtg tcccgtata taacgagact ctcaaaattg aatgttgaaa 180
 ctctgagcta attcatagca caataacttt ttactcggat gtttgattga gtcctgtcat 240
 acatcgagac gtcctaaatt gaatgttgaa gctttgagcc aattcaaacg acaataactn 300
 ttactcggga tgtctgaatg actctcgtca catatcgaga cgctcgaaat tgaatgttga 360
 agctctgagc caattcaacg acaataactt 390

<210> 10334
 <211> 406
 <212> DNA
 <213> Glycine max
 <400> 10334

agcttcaaca ttcaatctcg agcgtctcta tatatgacag gactcaatca aacatccgag 60
 aaaaaagtta atgtcgtttg aatttgctca gaggttcaac attcaatttc gagcgtctcg 120
 ttatattaca ggactcaatc agacatccga gtaaaaagat attgtcacct gaattggctc 180
 agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatccg 240
 agtaaaaagt tattgtcgtt tgaatttgc cagagcttca acattcaatt tcgagcgtct 300
 cgatgtatga cgggactcaa tcagacatcc gagtaaaaag ttattggcgt ttgaatttgc 360
 tcagagcttc aacatttaat ttcgagcgtc tcgatattt acgaga 406

<210> 10335
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 10335

agcttaacta atcaaatggg acaattggct acacagttaa atcaacagca gccccagaat 60
 tctgacagat taccttctca atctgtctag aatccccaaa atgggagttc cattacattg 120

agatcgggaa agcaatgtca aggacotcaa ccagcaacat cttcctcatc tgcaaatgaa 180
 cctgccaac ctactctac tccagaaaaa gatgatgaca aaaattttaa gagtaagtta 240
 cctaacaatt tctatgaagg tgaatcttcc actggtaatt ctgatttaca aaagcagcat 300
 atccctcttc cattccctcc aagagcaatt tccaacaaaa aaatggaaga ggcggagaag 360
 gagatcttgg aaacatttag aaaagtagag gtaaacatac ctctgctgga tgcaataaag 420
 caaattccaa gata 434

<210> 10336
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 10336

tcattcttgt cctcaaggcc tcattgtatac tcgtccaaat cgcgaagtga accttggatc 60
 cctgtcagat acaatactag aaggaattcc atgcaacctt actacttcct tgatgtacaa 120
 ctccactagc ttttccattc tatacttcat attcaccgga ataaaatgag cagatttgggt 180
 gagtcgatct actatgaccc acacggcatc atgcccacga ctagtcttgg gtaaaactaga 240
 tacaaaaatcc atagatatgc tctccattt ccattccgga atctccaatg gcttcaattc 300
 tcccgatggg cgtggtgct caaccttagc cttttgacat gtcaaacatc ttgctacata 360
 ttccggtaca tttttcttca tgccatgcc ccaaaaactt ctctcaaatc ttggacatct 420
 tatcattcct 430

<210> 10337
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 10337

tactcggatg tctgattgag tcccgtata taacgagacg ctcgaaattg aatgtttaag 60
 ctctgagcca attctaacga taataactat ttactcggat gtccgattga gtctcgtaat 120
 atatcgacac gctcgaaatt gaatgttgaa gctctaagcc tattcaaacy acaataacgt 180
 ttactcggga tgtccgaatc agtgacgtaa tatatcggga cgtcggaaat tgaatgttga 240
 acctctgagc caactcaaac gacaataact tttactcgg atgtctgatt gagtcccgta 300

ttatatcgag acgctcgaaa ttgaatgggtg aacctctgag ccaattcaaa cgacaataac 360
 tttttactcg gat 373

<210> 10338
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10338

agctttagg ccttgtatct tcttcatcaa tggagtcctn tgcttcttga agatcaatgg 60
 cagcaaaatg aaataggtgg aaaggtgatt ggagacgcca cttcaaggag aagatgagtc 120
 aagaacaagc tcaccaccat aggaagccat ggataagagc ttgaaggtag gaaaagatga 180
 gtggaaagag agggagagag gggagggcatg aaatttatgt ctgaaataag gtctgaaatt 240
 tgaagtgtaa ttctcaaatg atcaaagttg aaaaatacac acacaaggcc tctatttata 300
 gcttaagtgt cacacaaaat tggaggggaa attgaatttc tattcaaatt tcacttgaat 360
 ntgaatttat ggagccaaat gtggagccaa aatttcacta attatgatta g 411

<210> 10339
 <211> 412
 <212> DNA
 <213> Glycine max
 <400> 10339

tagctttatt aaaaatgata ataaaaaatt aaaaaataac atttaaatg actaagtga 60
 taaaattaat atcaatttat tttttgcttt atcttttaca actatttaca ttcattctat 120
 caaaaaaatt atgttgtgcg acaagatcta tttttttatg ggagtaaaaa aatatttatt 180
 ctatatattc aattaaat atttagaaca tggtatgaac taaataacat gtatgaatta 240
 aactcaaat tcaaaagata ggttaagaat gacaataata catgaacaaa tatatctaga 300
 attcaatcaa aaaaataaaa attcaacaca gacttagaac ataatatgac aattattatg 360
 actaaacatg aactctagac aacatggatt aagtgaatta cacttagatt tt 412

<210> 10340
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 10340

tggatccaac ccgaatgtta cctatgatag caccatagtg catgtcagca tatggctcct 60
ctccagtcaa gagttccac atcacaatac caaatgaaaa cacatcaacc taaaatgaca 120
aatatcaaaa caaaagcctc aaacttacat agtgacaaaa tatcaaggta ccattaacac 180
atcaacaatt cagcagttcc ggagccatcc atggtagagt tcctctcacc accagaaatc 240
agcgtctgac attttccttt ggacagaccc aagtcgcaa cctgatatca gatgcaaaag 300
tgtaaaaggt aaagaaacta ctgaaggatc aactaatcaa ttgctccgtg ctacaagtag 360
agttgtgctg actagaaagc aagtattgat gatcaaaaat catttagcag aa 412

<210> 10341

<211> 394

<212> DNA

<213> Glycine max

<400> 10341

agcttttgac ctcccaaaca gtgccctgta attccacaga tgaagaaatg ttgttcatat 60
ttgttgaggg tcaactctgc aggtggagtg gtgaaagtgg caataggaga ggctgagctg 120
caagcatcga agttggcctt tgtaacctcc tctacgttgt gtgtatttga tgcgtagttg 180
aacactgcaa aacacaccaa tgatttagtc caattgatcc caagctttta aacaattcaa 240
gtagtttatt ttgtacgatg tgagacttac caaggacgtc tccaaccctg aagtttttgc 300
cagaggccca agctgtgtaa aaggaagcgt tgccaggaac aatccagcca gcggtttctc 360
caacaatgaa agtagctggg tcagaggatg gacc 394

<210> 10342

<211> 426

<212> DNA

<213> Glycine max

<400> 10342

tcgtaccggg gatccttagt ggcaccttcg gcatgcaagc ttgttagagc ctagtattct 60
ttgtcctacc aatccattgt tggttttgta catatcaaac aaaattgttg tttgtttgca 120
caatgactaa ctcataatca tcttacagac aaatatgtaa ttttatcact tagtcttttc 180
tctctgatgc aatcctaccc cccaaggcat tgataaaaga ctccaagaag attgggtcag 240

agatgcagga gaaggcccta gggttctgat gaggccttagg atagattttg agctcatggg 300
 ctaaatatga gccacttat ctttgtaacat attatatttg agtttcatta tttttgggcc 360
 ttgtatttag ggctccatag tgtagggagt gtatcctagt aatgtagaat ttttcagccc 420
 ttgtat 426

<210> 10343
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10343

taatattatg gtcgntatca cttatccctg gactgggtgag tactttcaga agctatttta 60
 gatgcataat ttatagcgat aaacttgcatg tgcacaaaat cgccatgttt cattaacttg 120
 gatattttta tgatttttagt ttactatgtg ggaccaaagt gatggaaaaa actgtctggt 180
 gatgatgttg gggaaacttca ttaccattac taccagttta cccaagcac cgtggaacaa 240
 gaaatgggtg aggcactagg tgcttgatga agtaactcgt ggatgtcttt ttaagttttc 300
 t 301

<210> 10344
 <211> 316
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10344

tagcttgaat cggacctcag tgtgaaaatg tttgaccatt tcaatttctc gagagctttc 60
 gttgttcaat gtcgagcatc tcgacatggt atgcgctcga atcggacatc cgtgtgaaaa 120
 gttatgacca tttgagtttc tcgagagctt ccgtggttca atttcgagca tctcgtcata 180
 ttatgtgccc gaatctgacc ttcgtgtgaa aaagtatgac catntgaatt tctcagagac 240
 ttccgatgtt taatttcgag cgtctcaata tattgtaagc ctgaatcgga gctcagtgtg 300
 aaaaagtatg accatt 316

<210> 10345
 <211> 247

<212> DNA
 <213> Glycine max
 <400> 10345

actcgtgcga gtcctttacg acgaaactat ggcgagtttg gctccacgac acaatggggg 60
 tgggtgtgagg gtactccacc atttcaaacg tcttcttcat gaacggaggg gggcccacct 120
 cgtgcaaccc tatcatcggg ttggggcgaag tgcactacta ctatgaccac ttagcggagc 180
 cgtcatccat ctgttctttc actgcgtgag ccgtcgtcac tcccaggtcc ttgctctcgc 240
 tcaaac 247

<210> 10346
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 10346

agcttgtaat tgattacata agtcttggtta tcaattacca gaggagattt tcagattatt 60
 atttccaagg gtcacaactt ttcaaagtgt ttttcatgg ccatcaaagg tatatttata 120
 tgtgacttgg aacatgaatt tgcttagagt ttttcagaac aaaaagtctt atcctctcaa 180
 aaagcaaaat cattttatcc tcttaagaat tccttggcca atacacttgc aattcaataa 240
 ggaattaatt gagtgcttaa attgttcaat ctatctcttt caagagagat ttcttcttct 300
 ctactttcta tttctaaaag gggattaaga gaccaagggg ctctcgttgt aaagaaatct 360
 gaacacaaaa aaaggattgt ccttgtgtgg ttcagaactg caaggtagtg gaactctcaa 420
 gcggg 425

<210> 10347
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 10347

tccgcttatt agtgcacagc tccttcaaga atttagcata tcttggaatt tgctttattg 60
 catccagcag aggtatgttt acctctactt ttttaaagt ttcctagatc tctttctctg 120
 cctcttccat tttttgttg ggaactgctc ttggagggaa tgcaagaggg atatgttgct 180
 tctacaaatc aaaattacca gtggaagatt cacctgcacg gaaattgtta ggtaacttac 240

tcttttaaatt tttgtcatca tctttttctg gagtatagtg aagttgggca agtgcatttg 300
 cggatgatga aggtgctact ggttgaggtc cttgacactg ctttcgcgac ctcaatgaaa 360
 tggcactcac atttttggga ttctggacag attgagaagg cagcttgtca gaattctatg 420
 act 423

<210> 10348
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10348

agctntaacc gtctgagatc tttgccttat cacattggag ggtacatcct ttgtggtata 60
 agtagagggg acatctactt gggtttgact gagaacaaga gaggggtacat ctcttgtgga 120
 tcagttctag tggaggggtac atccactagg gtttcgaaga gaacaaggga gggtagatcc 180
 cttgtggatc tttgcttgta aaaggatttt tacaagggtg aaagaaatct caaggaccgc 240
 angctctctt gggattggat gtaggcattg gttgttgccg aaccagtata aaaactcttg 300
 tgtgtttgtc tccttcttcc ctactctttt aatttttget gtgcatttaa tttccgcttt 360
 tactttctgg taagtttctc ttatactcct tattctctta acaactt 407

<210> 10349
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10349

tttgtaacta cctcatgcac tcctctaata actatttcat catttctggc actaaactgc 60
 tgggagttgg aggccatctt ctcaattaaa tntctggctt caacaagagt catgtctcca 120
 aaggctccac cactggcagc atctatcata cttctctcca tattactgag tccttcataa 180
 aaatattgga gaagaaactg ttctgaaatc tgatgggtggg ggcaactggc acatagtctc 240
 ttaaactctt cccagtactc atacaggctc tctacactga gttgtctaata acctgagata 300
 tacttctga tggctgtggt ccctgaagca nggaaaatat tttctaataa tactc 355

<210> 10350
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 10350

gcattgagaa gaatattagc tctttgtgat cttgacatgg atgaagccct taatgtctca 60
 gaactaaatg agtttcaggc ttttgttgat tttggattct tttaaatctc ctttttttta 120
 tttaatatgc tgtgaatatt tattgttttc aagtgtggcc tattttattca aaatgtgcaa 180
 atatatcaac aggttagatg cgtaaagca ccattgctat cctctgaaat agcatgagtc 240
 acaaggggtg tacagcagaa agtacctgaa ggattcaact cacatggctc tacttggtct 300
 ggatttattt atgtccacaa tatgttcttc aaaagaaggc gtccaaagac attatgggct 360
 gttctaagat actttggata tgataataat ttgcaactca tggat 405

<210> 10351
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 10351

agctttagg gttaaagtct cagcattgtc acatgtcat gcaacaattg ttaaccgtgg 60
 ctataagaga catcttgcca aacaaagtca agttagccat aactcacctg tgctttttct 120
 tcaatgctat atgtagcaaa gtcattgatc ctgtcaagtt tgatgagttg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatcta gtcagagaaa tcaaatgttg tggctctatt tatctacggt 300
 ggatgtaccc ggttgagcta tacatgaaga tcttaaaagg gtatacaaag aatctttatc 360
 gtccagaagc atctattggt ga 382

<210> 10352
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 10352

tgctacccca tgcaagctcc taatatctcc cacacttttt atggtggggc attcttggat 60
 gtccttgatt ttctcagggc ccacttggac cccatttcta ccaactacaa aacctaagaa 120

aactatatta tctacacaaa aggtacactt ctatatatth gcatagaagg tgththththth 180
aaggactgaa agaactthth tgagatgtcc taagtgatca tctaggctcc tactgtatac 240
taaaatatca tcaaaataaa caacgacaaa tctacctatg aaatcctthta agacatgatg 300
cataagcctc ataaagggtgc ttgggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtct tgaaagcagt ththcactca tca 403

<210> 10353
<211> 354
<212> DNA
<213> Glycine max

<400> 10353

tcacctcatt gagaattaca attccatgaa ggatgtgtct gtctthtgatg aaggctggth 60
gtctctcatc aataagggtca gatataacat tctcaatct atttgctaath aacttagcta 120
tcaccttgta catacaccca atcaaagaga ttgggtctgta atcatcaaag gtctgagggth 180
gtthtaactth gggaattagg gccaaagagg aagcattact gcctctaagg aagcagccat 240
gcacatgaaa thcgtctata aatctthctaa agtcagthth caacactccc caaaattctth 300
taatgaaaat gaagttgaaa ccatccgggtc cagggcattth gtcccaccac aact 354

<210> 10354
<211> 186
<212> DNA
<213> Glycine max

<400> 10354

tctctacaath tgcatcacct ctcaatgagc tgggtgaataa gaatgaggca ththacctggg 60
gtgaaaaaca aaagcaagcc thtgctthtg tcaaagaaaa gcttactaaa gcacctgggtc 120
tagctctatc tgactththct athactthth agctagaatg tgatgcctct ggagtgggag 180
ttggag 186

<210> 10355
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations

Country	Year	Population (millions)	Urban population (millions)	Urban population (%)	Population density (per sq km)	Urban population density (per sq km)
Algeria	1975	10.5	4.5	42.9	100	222
Algeria	1980	11.5	5.0	43.5	110	233
Algeria	1985	12.5	5.5	43.9	120	244
Algeria	1990	13.5	6.0	44.4	130	255
Algeria	1995	14.5	6.5	44.9	140	266
Algeria	2000	15.5	7.0	45.2	150	277
Algeria	2005	16.5	7.5	45.5	160	288
Algeria	2010	17.5	8.0	45.7	170	299
Algeria	2015	18.5	8.5	46.0	180	310
Algeria	2020	19.5	9.0	46.2	190	321
Algeria	2025	20.5	9.5	46.4	200	332
Algeria	2030	21.5	10.0	46.6	210	343
Algeria	2035	22.5	10.5	46.8	220	354
Algeria	2040	23.5	11.0	47.0	230	365
Algeria	2045	24.5	11.5	47.2	240	376
Algeria	2050	25.5	12.0	47.3	250	387
Algeria	2055	26.5	12.5	47.4	260	398
Algeria	2060	27.5	13.0	47.5	270	409
Algeria	2065	28.5	13.5	47.6	280	420
Algeria	2070	29.5	14.0	47.7	290	431
Algeria	2075	30.5	14.5	47.8	300	442
Algeria	2080	31.5	15.0	47.9	310	453
Algeria	2085	32.5	15.5	48.0	320	464
Algeria	2090	33.5	16.0	48.1	330	475
Algeria	2095	34.5	16.5	48.2	340	486
Algeria	2100	35.5	17.0	48.3	350	497
Algeria	2105	36.5	17.5	48.4	360	508
Algeria	2110	37.5	18.0	48.5	370	519
Algeria	2115	38.5	18.5	48.6	380	530
Algeria	2120	39.5	19.0	48.7	390	541
Algeria	2125	40.5	19.5	48.8	400	552
Algeria	2130	41.5	20.0	48.9	410	563
Algeria	2135	42.5	20.5	49.0	420	574
Algeria	2140	43.5	21.0	49.1	430	585
Algeria	2145	44.5	21.5	49.2	440	596
Algeria	2150	45.5	22.0	49.3	450	607
Algeria	2155	46.5	22.5	49.4	460	618
Algeria	2160	47.5	23.0	49.5	470	629
Algeria	2165	48.5	23.5	49.6	480	640
Algeria	2170	49.5	24.0	49.7	490	651
Algeria	2175	50.5	24.5	49.8	500	662
Algeria	2180	51.5	25.0	49.9	510	673
Algeria	2185	52.5	25.5	50.0	520	684
Algeria	2190	53.5	26.0	50.1	530	695
Algeria	2195	54.5	26.5	50.2	540	706
Algeria	2200	55.5	27.0	50.3	550	717
Algeria	2205	56.5	27.5	50.4	560	728
Algeria	2210	57.5	28.0	50.5	570	739
Algeria	2215	58.5	28.5	50.6	580	750
Algeria	2220	59.5	29.0	50.7	590	761
Algeria	2225	60.5	29.5	50.8	600	772
Algeria	2230	61.5	30.0	50.9	610	783
Algeria	2235	62.5	30.5	51.0	620	794
Algeria	2240	63.5	31.0	51.1	630	805
Algeria	2245</					

<210>	10356
<211>	434
<212>	DNA
<213>	Glycine max

<210>	10357
<211>	343
<212>	DNA
<213>	Glycine max

<400>	10357						
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atgcttcttt	ggcgaccacc	acagatacct	ttgcctcttt	gtgcggcgaa	ttgaagcaat	120	
cgaacagctc	gaagcttatg	ctgccaaacat	ctacaataga	cctcctcaac	cgagcatgga	180	
aatcagtcac	aacagaacag	aacagtgatg	acctctccag	caacagggtac	aatctcgggt	240	

ggaggaatca tcccgaactt agatgggtcga atccggtgcc acagcaacaa caacaacaac 300
atccttattt tcacaatact aatggcccaa gcataccata cgt 343

<210> 10358
<211> 401
<212> DNA
<213> Glycine max

<400> 10358

agcttgcgaa ccataccact atccacgtat atgctagctc catcatatcc ttggcctcta 60
actttttgaa tgataagatt atcatgagat agtattgaac aaactccttg cttaagagta 120
gatgatgtac aatctatcac atgtgagata tctaaaaaat gttctaacat atcagcactt 180
atcaacaaat ctaatattag gagtaatttg ttttcttcta gattcatcat gagcttcacc 240
tacaattcac cagaattttg cattatcaat ctctttttga atttcatttt gcaacttcct 300
agcaaagacg tgtagaattt ctttttgaat aatgggtgaa gtgtatcttg cattctaagg 360
gacattttcc aagacaactt catctatttg cttattataa g 401

<210> 10359
<211> 311
<212> DNA
<213> Glycine max

<400> 10359

actccgaggg ccgaatctgg cgaataatat agcgagacgc tcgacagtga acaactaaag 60
ctctcgagaa attcaaattg tcatgactct tcaactcaggt atccgattca cgcgcataat 120
ataactaagac actcgaaatt gaacaacaga agctctcgag aaattcatat tgtgctgact 180
cttcactcag atgtccgac cgcgcgcata atatatcggg acgctcgaca ttgaacaatg 240
gaagctctca agacactgaa atgggcataa cgtttcacac agatgtctga ttcctggaaa 300
taatatatcg a 311

<210> 10360
<211> 329
<212> DNA
<213> Glycine max

<400> 10360

tcacccgtgg gtcaagaatc ttagcaattg aaagaatgac attatagtca ctccaatact 60
 tgccaaactt ttccatcatc aacactgcc aattttgcaa tactggatca tcacacttca 120
 gtgtttcccg caacaacat tcaattttcc atacttgcac gaagtattca ttggaagttg 180
 gataagatgt acctaaaaaa aattcaaata agataattaa actataaata taaatctgaa 240
 actattttatt ataattatga aatttgaaaa aatataacctg aaatcaaatt agtcatatta 300
 taaaatggct tcaaaaattc acacaattt 329

<210> 10361
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 10361

taaacattca atttcgagcc tctcgatata ttacgggact caatcaaaca tccgaaaaaa 60
 acgttattgt cgtttgaatt cgcacagagg ttcaacattc aatttcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aacgttattg tcgtttgaat tggctcagag 180
 gttcaacatt caatttcgag cgtctcgata taatacggga ctcaatcaga catccgagta 240
 aaaagtcatt gtcgtttgaa taggctctga ggttcaacat tcaatttcga gcgtctcgat 300
 atattacggg actcaa 316

<210> 10362
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10362

agcttccatc aggatgtctt attgagtcac gtaatatatc tagacgctcg aaattgaatg 60
 ttgaacctct gagcatattc aaacgacaat aactgtttac tcggatgtct gattgagtcc 120
 cgtaatatat cgagacgctc taaattgaat gttgaacctc ttagccaatt caaacgacaa 180
 taactttnta atcggatgtc tgattgagtc ccgtaaatat atcgagaccc tctaaattga 240
 atgttgaagc tctgagccaa ttcaaacgac aataactttt tactcggatg tctgattgag 300
 tcccgtataa taacgagacg ctcgaaattg atatgtgtaa ctctgagcca attcaaacga 360
 caataactat ttacttcgat gtctgagtga gtcccgccat atatcg 406

<210> 10363
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10363

agctnnggctt tggccatcag aaccatctca ttctctactt catccatctt gcaacanata 60
 ttccagtcaa gtgagtgttt ctctgcatca aacaaatcan atgtgatctt ccaatcatct 120
 attcccattt ctagattacc tttccccata tccaccacac aattggcagt tagcatgaag 180
 ggacgaccca caatcagagg gatttcagca tcctcttcaa tgtccatgat cacaaagtct 240
 gtagggaaaag tgaactgtcg caccttgacc aanacatctt caaccacgcc ataaggtctt 300
 gtaatggaat gatctgccaa caacaatgtc attcttggtg gcataatttc cagctctcca 360
 attcttctgc acatggagag cgacatcaaa ttaatgctag ctcccacata atgaaagctt 420
 tccaactgac ac 432

<210> 10364
 <211> 332
 <212> DNA
 <213> Glycine max

 <400> 10364

tcctttacaa caaagagaag tgatgtaagc tccattggag cttgtaggcc taggatcttc 60
 ttcattaatg gattccttta cttcttggaa gatgaatggc agcggaatgg tgaaaggaag 120
 agagagagga ggcgccactt caaggagaag atgagtctag aagaagctca ccaccataag 180
 aggccatgga taagagcttg gaggaagaag gagatgaatg aggggagagg gagagaagag 240
 cacgaaattt tgtgctctaa atgagctttc aaatctgaat tttaatatcc taatgatcaa 300
 agttgaaaaa aatgcacaca catgacctct at 332

<210> 10365
 <211> 325
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10365

agctggcctt gaatcagaaa ntgtaccag tcgcaagagt ctgtgggtta tgctcctctg 60
 ctgaccacca tacagacctc tgcccttcca tgcaacaacc tggagcaatt gagcagcctg 120
 aagcttatgc tgcatacatt tacaatagac ctctcaacc tcagcagcaa aatcaaccac 180
 agcacaacaa ttatgacctc tctagcaaca gatacaaccc tggatggagg aatcaccta 240
 atctcagatg gtctagccct caacaacaac aacagctact gtgccaagca gaccgtacat 300
 ttcttcaccg atccaacaat agcaa 325

<210> 10366
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 10366

tatatgtttt ttagttgcct tgtaccatgc tcacctaatc caaaggtcgg tattgatgtt 60
 tatctagagc ctttgattga tgatttgagg aagttatgga gtcgtgtttt gacacatgat 120
 gtgtcaagga agcaaaatth gatgaggact attaatagact tccctactta tggcatgttg 180
 tctggttgtg gaactcatga taaatttttt tgtccgcatt gcatggagca taagaagtgt 240
 ttacattac aatatgagag gaaaagtgtt tcatttgact cgcacgtag gttcttacct 300
 agcattcatt catttaggac taaca 325

<210> 10367
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 10367

tatgctgcaa acatttataa tagacctcct cagcagcaaa accaacaaca acagaataat 60
 tatgaccttt cgagcaatag atacaatcta gggtggagga atcatccaaa tatgagatgg 120
 acaagtcctt cacaacaaca atagtttgtc cctcctttcc agaattgttg tggccaagc 180
 aagccgtatg ttctcctcc aatacagcag cagcaacaac agtagtcaca acaaagacaa 240
 caagcaacta aggctcctcc tcaaaattcc ttagaagagt tagtgaggca aatgaccatc 300
 cagaatatgc aatttcagca agagacaaga 330

<210> 10368
 <211> 335
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10368

 agccttttct cattctctgg agggagtggc aaaagaatgg ctatactacc tcgctcccat 60
 gtccattntc agttgggatg accttaagag ggtgttcttg gagaaattat tccctgcatc 120
 taggaccact gccatcagaa aagacatttc aggcacacg caacttattg gagaaagctt 180
 gtatgagtac tgtgaaagat tcaagaaatt gtgtgcaagc tgtcttcacc accagatttc 240
 tgagcaactc attcttcaat atttctatga gggacttaac aacatggaga ggagtatgat 300
 tgatgctgct agtgggtggag ctctcggtga tatga 335

<210> 10369
 <211> 340
 <212> DNA
 <213> Glycine max

 <400> 10369

 taataatcta tggcttgaaa caagcctccc gccaatggta tctaaagttt catgatgtca 60
 tcacttcatt tgactttgaa gagaacatca tggatcaatg tatataccaa aaggctcagt 120
 agagtaagat ttgctttctg tgttaaactg ggatgacatt ttgcttgcaa ctaatgataa 180
 gggtttgcta tatgaggtga aacaatttct ctggaagaac tttgatatga aggatatggg 240
 agaggcatct catgtaattg gcattaagat ccatagggca agatctcgag gcattttggg 300
 tttgtctcaa gagacttata ttaacaaagt tttagagaga 340

<210> 10370
 <211> 327
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10370

 agctnntaga tgccttanag ttttaaggct gaagttgaga aacaatgtgg aaaacaaatt 60
 aagatcgtga gatcagatag aggtggggag tactatggta gatacacaga ggatggacaa 120
 gcaccacgtt catttgcaaa ttntnttcaa gaacatggga ttgttgccca atacactatg 180

tctggttctc cggatcagaa tgggtgtggca gaacgaagaa atcaaacctt attagacgtg 240
 gtgagaagca tgaggagtaa tgtaaagctt tctcaatttt tgtggattga tgctcttaag 300
 acggctgcgt atatattaaa ccgagtt 327

<210> 10371
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10371

tgtagggtta aagtctcacg attgtcacgt gtcacatgcaa caattgttag ccgtggctat 60
 acgagacatc tttccaaaca aagtcagggt agccataact cgcctgtgct ttttcttcca 120
 tgctatatgt agctaagtca ttgatcctgt gaagtttgat gagctggaaa atgaggccgc 180
 aattatactg tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
 cttgattgtg catctagtca gagaaatcaa atgttggtgt ccagttttatc tacgggtggat 300
 gtaccgggtt gagcgataca tgaagatctt aaa 333

<210> 10372
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 10372

ttgagaaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgaaatat 60
 atcgagacgc tcgaaattga ataccgaagc gctaagcaaa ttcaaacgac aaaaactttt 120
 tactcggatg tctgattgag tcccgttaata tatcgaaaag ctcgaaatgtg aatgtagaag 180
 ctctgagcaa attcaaaca caataacttt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagat gctcgaaatg gaataccgaa gctcggagca aattcaaaca ataataactt 300
 ttactcggga tgtccgattg agtcccgtaa tatatc 336

<210> 10373
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 10373

tcaacctaga ggagacgaac cattccaagt gttggagaag atcaacgaca atgcctacaa 60
gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120
ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag gagggagtga 180
tgaggacata accaagggca aggaccatga agcacttgaa ggtcccatga ccagaggcag 240
acttaaacaa gcccaacaca tcatagagac aaggctggtc atttgtatag ctgtcattga 300
tgatgattga aagcccaagt ggagaaagat g 331

<210> 10374
<211> 331
<212> DNA
<213> Glycine max

<400> 10374

tctcagatcc agtcatggaa agacttggca actgccttca ttaggcaata ccaatacaac 60
acggatatgg ctctgatcg aaaccaactt cagagcatga ccaagcggga acatgagtcc 120
attaaagaat atgctcaaag gtggagagac ctacgggcc aagtcgtccc gtcgatgact 180
gaaagggaaa tgatcacgac tatggtagat acgttgccta cgttctacta tgagaagctg 240
ataggatata tgccggctaa ctttgcagac ctogtcttcg ccggagaaag aatcgagtcc 300
ggactgagaa aaggcaagtt tgaatatgcc t 331

<210> 10375
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10375

agcttcttat ccaaggagat tctnggtggt gaagctcctt cttecttggc ttattcccta 60
gtggatggtg tctcccctct ccacttctcc tttaccttcc gctgcatctc catggtgtaa 120
aatcaccatt gaaggacctc attgaagctc anagatccag cctncataga agctccacaa 180
gcaagcttcc atcattaagg tttcattatt tttgggcctt gtatttaggg ttcataatat 240
aggtaaggta tcctagaaat gtagaatttn taagcccttg tattntatgg cacctagact 300
agcttttgta ttaggggtag tttcgaattt cacatgcatt aagtgaata 349

<210> 10376
 <211> 330
 <212> DNA
 <213> Glycine max

 <400> 10376

 tttcctttgg ttgctctgat aagctttcca aacgttagag agaaggagaa gagattgaag 60
 ccttcattcc actgtctgca tgaaatgagt atttctccct ccctagacat tattttccac 120
 atctcaacgg ttaaaatgtg cgggacttaa tttcaaacct ggtgtccaaa tttcacaatg 180
 atccaacggt taatatgtcc aggattgtag ttttattggg acaagttttg ggtctccgct 240
 ggaaatggaa aagctatgac gtgaaggga attctttcaa atcctagtgc tcaaattcca 300
 accctgagaa tgttcagaaa tgagttccaa 330

<210> 10377
 <211> 305
 <212> DNA
 <213> Glycine max

 <400> 10377

 ttgagacaat tcaaacgaca acaacttttt actcggatat ctgattgatt cccgttatat 60
 aacgagacgc tcgaaattga atgtttaagc tttgatccaa ttcaaattgac aataaatttt 120
 ttctcagatg tctgattgag tccaataata taacgagacg ctcgaaattg aatggttgaag 180
 ctctaagcca attcaaacga caataacttt ttactatgat gtctgattgc gtaccgtaac 240
 atatcgagac gctctaaatt gaatgttgaa gctctgagac aattgaaacg acaacaactt 300
 tttac 305

<210> 10378
 <211> 389
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10378

 agcttcaaca ttcaatgtca agcgtctcga tatattatgg gactcaatca cacatccgag 60
 taaaaagtta ttgtcgtttg aattggctcg gagcttcaac attctaattc gagggctctcg 120
 atatattact aggactcaat ccgacatccg agataaaaat tattgtcggt cgaattggct 180

cagaggttca acattcaatt ntgagcgtct cgatatgtta cgggactcta tcaacatccg 240
 agtaaaaagc tattgtcggtt ttgaattgct cagagactca acattcaatt tctagggtct 300
 cgatatatta cgggactcaa tcatacatcc gcagtaaaag ttatcggtccg ttgaatatgc 360
 tcagaagatc aacattctat ttcgagcgt 389

<210> 10379
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 10379

tcttgaagtt ggaatgatat atgccatttc cgatagttca tgggtaagcc ctgtgcaagt 60
 agtcctaaa aagggtggaa taacactgat aaagaatgac aagaatgagc tgattcecac 120
 aaggaccatg accggttggg gaattgtgat caattatcgc cttctcaaca aggcaacaag 180
 gaaacaccat tttcctctcc cttcataga tcaaatactt gagaggttag ccggccaagc 240
 cttctatttc tttcttgata gatactcaag gtataattaa attcttggtta atccgaagga 300
 tcaagagaaa acaaccttca attgccatt tggagtct 338

<210> 10380
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10380

tgtgttaaga ggaagagtga tgtgattgat gtattcaaga aattcaaagt ttcagtggag 60
 aaacagtgtg gaaaaaattt agagatatta agaacggatg gtgggggtga atatgtatct 120
 gttgagtttg ctgaattttg tgagaaagaa ggcacacac atgaagtaac acctccatac 180
 actcctcaac ataatggagt agttgagagg aagaatagaa ctttggttgaa catggtgagg 240
 agcatgttaa agagcaagaa actacaaaa tatttgtggg gagaagctgt gaacattgct 300
 gcatacatct tgagcagaag cccaactagg aaa 333

<210> 10381
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10381

tctaaacttt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggaggttg aattaagata ttacaaacta tttccccaat taaaattcta 120
tcaagttata aattccctta ataataaact tcttaaatat tgactcaaata agaacaattt 180
gaatatgaat ataaaacaat aataaataaa ggagtttaag ggaagagaaa gtgcaaactc 240
agatttatac tgggtcggcc acacccttgt gcctacgtcc agtccccaag caaccgctt 300
aagagttcca ccatcttgta aattcctttt aca 333

<210> 10382

<211> 326

<212> DNA

<213> Glycine max

<400> 10382

tctagaatta tggcctcatc aaactacttg tttcccgagg gaaattctat aaatagacct 60
cccatcttta atggagtggg ttaccattat tggaaaaccc gcatgcaaata ttttatagag 120
gcaatagatt taaatatattg ggaagccata gaacaaggac cttatgttcc ctctataatg 180
gccggaagtg caacaatagg aaacctaga gcagattgga ctgaggaaga aagaagatta 240
gtacaatata atttaaaggc caaaaatatt attacatctg ccctaggaat agatgaatac 300
tttaaggttt caaattgtaa aagtgc 326

<210> 10383

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10383

agcttctcga ttattatgca ctttaatctg acttccggtt ganaagttat gacaacttga 60
atttctggag agcttccgtt gtgcaatttc gagcgtcttg atatattatg cgctgaatt 120
ggacttctgt gtcataagtt atgaccatnt caatttctcg agagcttccg ttgttcaatt 180
tcaagcttct cgatatatta tgcacctgaa ttggacttcc gtgtgacaag ttatgaccat 240
tctaatttct tgagagcatt cgggtgttcaa tttcgagcgt ctcgatatat tatgcatctg 300

aatcggactt gcgtgtgata agtatgacca ttg

334

<210> 10384

<211> 327

<212> DNA

<213> Glycine max

<400> 10384

tcaagagatc gtcccccttga caacattatt ggtgatatct caaaaggggt aacaactaga 60

cattctctta aagattttatg caataatatg acttttgtgt ctatgattga acctaaaaat 120

ttagatgaag ccataataga tgatcattgg atagttgcta tgcaagaaga actaaatcag 180

tttgagagaa acaatgtgcg ggaactagta gagaaacctg aaaactaccc catcatagga 240

acaaaatggg tatttaggaa taagttagat gaacatggca taatcattag gaacaaggca 300

agattacttg caaaaggata taatcaa 327

<210> 10385

<211> 339

<212> DNA

<213> Glycine max

<400> 10385

ttaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa ggaaagctgg 60

agttgctgca catgatgtcc aacgttatgt caaggaataa gatcgggctg cactatgcac 120

aaggcaagat aaaatgtcaa atgaagaatt gaagctgcag gatccacgat gtcggataca 180

atgtccagga catcctgccc gagaatactg gagttgctgt acaatgcaag ataaaagtca 240

agtagtgaag ctgcaggatc cacgatgtcg gatacgatgt cctgacatct ggcccataa 300

tactggacat ataattctgt tatatcttta acagattat 339

<210> 10386

<211> 328

<212> DNA

<213> Glycine max

<400> 10386

tccagaaatc atcctcttaa cgacattatt ggtgatatct ctaaagggat aacaactaga 60

cactctctca aagattttatg caataacatg gaatttgttt ctatgataga acctaaaaac 120

ttaaaagaag ccataataga tgatcaatgg atagttgcta tgcaagaaga gttaaatacaa 180
 tttgagagaa ataatgtttg ggaactagtt gagaaatcac ataactaccc cattatagga 240
 agaaaatgag tattttaggaa taagtttagat gaacatggca tagtcattag aaataaggct 300
 aggttagttg caaaaggata taatcaag 328

<210> 10387
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10387

agcttctntg agaaaacttc cttgagaagc tagagcttat ctacacacac ccctctcata 60
 actaagctca cctccttgag aagcttcctt aagaagattc cttaaagaagc ttgagcttag 120
 ctacacatac ctctctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
 tacacacccc ctataatagc taagctcacc cccatgacaa ataacatgaa aatacaaaaa 240
 aagtccttac tacaagact actcaaaatg ccncaaaata caaggctaaa accctatact 300
 actagaatgg ccataataga aggccagac gaaggaaata cctattctaa tatctacana 360
 gataagcggg ctcatactta gcccatgggc ttgaaatcta ccctaattgct catgagaacc 420
 ctanggcctt cccttggaac gctagccaat ctac 454

<210> 10388
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 10388

ttctgcaggg aagctaagtg tgaagtatgc aatcttgcac aggattggca ctgccaaactg 60
 ggtaccacc aatcatactt ccaactgttg cacagggttg ggtaaatttc tgtatgctgt 120
 tggaaccaag tccaaattta attttggaac ctatatTTTT gatcaaacta ttaagcattc 180
 agaatctttt gctgtcaaact taccattgac ctttccaact gtattgtgtg gcattatgtt 240
 gagtcaacat cccaatattt taaacaacat tgactctgtg aagaagagag aatctcctct 300
 atccctgcat tacaactgtt ttgaggggac ac 332

<210> 10389
 <211> 492
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10389

cacctgcggc tgcagcttaa gaaccaaaaa taaaaatatt atcttattag ggagataaca 60
 cactattaaa aatctattag aaaagaaagt acatctaaat atttattaaa gagtaaaata 120
 tattttaaacc tttaaaatat tcttactaaa aagaacactc ggctagtaat actcgagtaa 180
 caaagaaagt tatgatatgg gtatttagta attataacta tcttgtaaac attacttaaa 240
 tnttttaata atttatatac aggactttta ttgttggtgt caaaataata acatttattt 300
 tgtaaaacat attcatatgt ataacatatt atatgcttgt tgaatatagg atatacattt 360
 cttaaaaaaa tatgtataaa caatgataat atactccaat tgaaaatact tgtatatata 420
 tataactcct tagaatacgt ttagtcatct gcatcgcaat agagaagaaa tcataatatg 480
 atttacttag ta 492

<210> 10390
 <211> 401
 <212> DNA
 <213> Glycine max
 <400> 10390

agcttctata gaaagttcgt tgctaatact tctacaattg catcaccttt caatgagctg 60
 gtgaagaaga atgtggcctc tacctcgggt gaaaaacaag agcaagcctc tgctttgctc 120
 atagaagagc ttactaatgc acctgttcta gctcttctc actttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagttgtat tgttacaatg tgggcaccct 240
 attgcttatt ttagtgaaag agaattcata gtgccactct caactactcc acctatgata 300
 aagagcttta tgtcataata agagccctcc aaacttggga acattacctc gtttccaaag 360
 aaattgtcat tcatagtgat catcaatcac ttacgtacat t 401

<210> 10391
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10391

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agcttattaa gaggttcct ccagaagctt cctcgtggct tctttgagaa gctntctcaa 60
gaggcttctt tgagaagcta gatccttata tatccacacc cctctattaa ctaaattaac 120
ttccttaaaa ataattacgg atgataataa cgcaacanat attcaaacat caaacataat 180
tactaatagt atatagatat atatatatca ggggtgttaca actctcccac ccttttagaa 240
atttcgtcct cgaagattac cttactcaaa caaggatggg tgagcttctc acatctgact 300
ntctaattcc catgtggcat cttctcctga tgcacctncc cagatcacct tgaccaacag 360
aatctc 366
```

<210> 10392
<211> 319
<212> DNA
<213> Glycine max

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<400> 10392
tgatgaatca tgtatcgtag ttaggaacaa ggctagattg attgctaaag gatacaacca 60
agaggaaggc attgactatg atgagaccta tgcctttggg gcaagggttg aagctattag 120
gctattgctt gcttttgggt gtattatgaa ttccagggtta tatcaaattg atgtgaaaag 180
tgcttttctc aatggataca ttgaagaaga gatatatata gaccagcctc caagttttgt 240
agactttgaa catcctaata atgtttacaa gttgaaaaag aactgtgtg gtttaaaaaa 300
agcacctaga ttttgggtat 319
```

<210> 10393
<211> 326
<212> DNA
<213> Glycine max

```
<400> 10393
tgtgaaacct tgcaagctcc aaacacccca ttgaaaatc tttctggatt aaacttgtga 60
gcatcaggcc ccagagattg agggctcttg tgcagcactg agattggaat ctgaatatc 120
attccttttg gaattaggat gccttttaaa ttaacacctt ggagagctgt tctaacaaca 180
aaggctgctg gcgaataaag cctcaaagtc tcttgaatca ccatgggtcaa ctgcaagtgt 240
aacattttta tatatggcct tcacagatca gtaagaatgc tcatgaaact tggaaatgat 300
```

caactataat tacaataaaa tttgag 326

<210> 10394

<211> 497

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10394

agcttcaaga ataatggcct caacatactt cttattccca gaaggaaatt caataaatag 60

gcaaagtaat taagatacat tgtataatga aacgtataat aaagaataat ggcttcaaca 120

aacttctaata gctgatgggt ttctgtttgg ttntccaaca acatttggat ccatgggttc 180

tcaatttaaa gcatttntag aagacactat aagcctgttg tggcttacac aggactagc 240

aggaaaacct gtagggttct tctctagcac tagttctcaa ggaggtggac aagaagagac 300

cccatgagtt atattaatta ttactgaatt cttcaatatt catgattaag gtttccatca 360

attaatgggt attttgtata tatccactca acatgggaga agtcagagca nactattagt 420

cactactttg tattattatt actggtacga agtatctacc aaccaatgag tcagcttgtc 480

acgatgggat gatacat 497

<210> 10395

<211> 311

<212> DNA

<213> Glycine max

<400> 10395

caaatacctt tcagaggcac atcaacttca aagtgaagag gaacttgggt aacacacaat 60

tcactagtaa cagaagacaa gacacgatat tcagcttcag tggatgattt tgaaacagtg 120

ggttgtttct tagaacgcca agaaagaatg atatttccca taaagacaca aaagccagaa 180

gtggatcttc tggatatcaac acagctggcc caatcagcat ccgcaaaggc agggaggctg 240

agagagttct gagcaaggaa aaacaaacct tgtctatgag cagatttgat atactacaga 300

agatgatgaa c 311

<210> 10396

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10396

gaacatcaca tatcgagacg ctcaaaactg aacaacgaaa gctctcaaga aacagaaatg 60
gtcataacct ttcaactcgga tgtccgaatc aggcacataa tatatcgaga cgctcgagaa 120
tgaacaacgg aagctctcga gaaattcaaa tgaggataac atttcactcg gatgttcgat 180
tcatgcgcat catatatcga gacgctcgaa attaaacaat tgaagctctc gagaaaatta 240
aantgtcata actctttact c 261

<210> 10397

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10397

tgcaagctca agaatatggc ctcatcaaac tacttgnttc tcgagggtat attctataaa 60
tagacctcct atctttaatg gagtgggttg ccaactactgg aaaacccgca tgcaaatctt 120
tatagaggca atagatntaa atatttgga agccatagaa caaggacctt atgttccctc 180
tataatggcc ggaagtgcaa caatagaaaa acctaaagca gattggactg aggaagaaaag 240
aagaatagta caatataatt tacaggccaa aaatattatt acatctgccc tatgaataga 300
tgaatactct aggggtttcaa atggtaaaaag tgtaaggat atgtgggata cactacaagt 360
aacacatgaa ggcacaacag atgttaaaaag atctaggata cacacttta ctcgtaaata 420
tgaactgggtt aggatgaatg taaatgaaaa tatacangac at 462

<210> 10398

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10398

ctatggagaa ctnttcttaa ctgnaatttt tacacacgtt cacctatagt gggaattgat 60
gaacaccttg ataattcaca gcttgcttca cctcaggtcg caagccattt agaaacatca 120
cacattntga gctttcacca tcccttcctt ggtaatgagg aanatacctc actagctctt 180

canacttggc tgcgtattca gctacagtcg tggtcccttg cttgagttca aggaattcca 240
tctccttctt gttcctaaca tcttcagggg agtattttctc cagaaatacc ctcttgaagg 300
tttcccaagt catagcttga ccttcagcct cccagcatng gtgagtgttc tcccaccaat 360
actcagtttc ttcta 375

<210> 10399
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10399

ttcttccttc accagtaacc cccaatccaa ggtaaataaa ttgagtttaa tttctatcca 60
cttttagtat aattattatc ttacactctc catttatact ggtaatcaat cagaaatcat 120
atatgaaaac aactcttaag taactttata taaaagttaa caaacttatt atatgtacca 180
tacataaaact gcttactcat aaattactat ttttnttagg aaatgtttta gctttgttaa 240
ttatctataa gctatgtgta tctttcccag cattattctg ctatactatt agaatgttca 300
atatgttaac caaactagtg gttgttttgt taattattgg acgatacttg aacagaaggg 360
aaaaacatga tacatatgaa gaacaatggt ggggttgaa 398

<210> 10400
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10400

cagcagaaca attatgacct ttccagcaac agatacaacc ctggatggag gaatcaccct 60
aaccttagat ggtccagccc tcagcaacaa caatagcagc ctgcttcttc ctttcaaaat 120
gctgttggcc caagcagacc atacattcct tcaccaatcc aacaacagca acaaccccag 180
aaacagccaa cagttgaggg ccctccacaa ccttccctcg aagaacttgt gaggcaaatg 240
actatgcaga acatgcagtn tcagcaagag accagagcct tcattcagag cttaaccaat 300
cagatgggac aattagctac ccaattgaat caacaacagt cccagaattc tgacaagctg 360
gcttctcaag ctgtccaaaa tc 382

<210> 10401
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10401

agtttcataa tgtggtctcc aaatatggat tggaggaaaa tgttgtaagc caatgcatgt 60
 atcttaaagt gtgtgggagt aagtttattt tottagtcct atatgtatat gatattttac 120
 ttgcaagtag tgacttgggt cttttgcatg ataccaaaaa tttcctctca caaaactttg 180
 atatgaagga tacgggtgaa gccttctatg tcattagaat agaaattcat agagatagat 240
 ctctaagaac atcgagatta tctcanaagg cttacataga anaagttttg aaaagattta 300
 atatgcagaa 310

<210> 10402
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 10402

aacataaatt ataggccatc ataatagatg gatacaagga tgcaaaatct aaagtagcaa 60
 ttgggtttttc ataaaatcca gcccttgctt ccaatacctg caagttgtaa agttcaaaat 120
 gcatgcatca aaaggcaaca cagcttgaca agtgaaacgt ccaaaaggca aatacaggaa 180
 aaggtgtaga acattaactc caataatatt atgtagatct ccatacataa agatacttga 240
 aatttgagaa ttctttcaat ttttcattta ttaactgaag aacaagaggg catttaagat 300
 tgagcttgat tcaggcctaa catgctgtta gagattccca aacatcaata gttactaatc 360
 agagtaaa 368

<210> 10403
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10403

cttcttcata agggtnctc ttgattctt acagatcaat ggcagtggaa tggagaagga 60

agaaagatga ttggagatgc cacttcaagg aaaagatgag tcaagaacaa gccaccacc 120
 ataggaagcc atggataata agttgaagat acgacaagat gattggaggg agagggagag 180
 aatgagcacg acattttgtg cctcaaatga ggtctgaact ttgaagtga atttctcaaat 240
 gatcaaagtt gaaaaaatgc acacacatgg cctctattta tagcataagt gtcacacaac 300
 aatagagggga atattgaatt tctattcaaa tatcactcga atttgnaatc gaattcgtgg 360
 agccaaattg attagtgaat tctagctact ggtcaaccca ctaatccaag atcaagttca 420
 agatgctcca ctaagtgtgc ttacgtgtca tg 452

<210> 10404
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10404

gccaaagcct ctgtgattga ttcaagactt caagatcaag catcaagaat ccaatccaag 60
 attcaagatt aaagagaaga aatcaagaag caacaagtca agacttcata tgggataagt 120
 attaaaagat tttttcaaaa aaacaaatag cagagttntg ttttacaaaa gaattttctc 180
 anactttcaa agttaccaga gtgattactc tctggtaatc gattaccagt tggctgtaat 240
 caattaccag tgaccaattt ggttttcaaa atgttttcaa atggtttgca atgttccaaa 300
 atgattntca aatagtgtaa tcgattacac tatattagta attgattaca agtgaatctg 360
 aacgttggaa ttcanatcca attgtgaaga gtcacaactt ttcataanat gcattgtgta 420
 atcgattaca cctttgtggg aatcaattat cagtaaacag ttttgaagaa aaagtaagag 480
 ttatactctt acatgggtctc aaatgcatac tcttcat 517

<210> 10405
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10405

tgatgcagct gagttttgtt ctacctcatg cactcctcat tgactatggc atcattttctg 60
 gcgctaaact gctgagagtt ggaagccatc ttctcaatta aattttctggc ttcagcaaga 120

gtcatgtctc caagggctcc accactggca gcatctatca tacttttctc catattactg 180
 agtccttcat aaaaatattg gagaagaagc tgttttgaaa tctgatgggtg ggggcaactg 240
 gcacatagtt tottaaactc ctcccagtac tcatacaggc tctctccact gagttgtcta 300
 atacctgaga tatecttcct gatggctgtg gtcctggaag cagggaaata tttttctaata 360
 aatactctct taaggctatc ccagctcgtg atggaccttg gagcaaggaa tacagccagt 420
 cctttgccac tccctcttat gaatgangaa aagccttcag aaatatgtga tcctcttgga 480

<210> 10406
 <211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10406

tcaccaagtt cttgtaagct tcccaaccaa tcaggatttc ttccactcaa cccgttggtta 60
 ttcacaaaca tgtgttccat nttcttgag tatgagagtt gaggtggcac ttctcctggt 120
 aaattgttga atgataaatc aagacagttg agaacagtaa ggtggccaaa ttcagaagga 180
 atgctttctg tgagataatt ctctccaagt ctgagacggc tgangtttct agaattgggt 240
 agagtggaag ggatgggacc tgagaagctg ttgttagtca cggccataaa ggcattggaat 300
 ttgaccagtg agaggaaaga actttcctga acttgtggtg aaagtatgat ttgagctttt 360

<210> 10407
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10407

tgcaagcttc agtttgccn ctgctctaa tcacatgccg gttctgtgga gatatgggtc 60
 aagctgggag gtctgccatg gacgtccgtg acagattaag aggattgtct gagcgttctg 120
 tgatgttgaa ggacatggat attcaccaga tttctgttca tcaaagtggc tagttgatag 180
 cagtgtagca gcaacagcaa catcagagaa aacagggaaa gtaaacaaca atgcaggagt 240
 acaattagca aaagcaaaga ggagagttac cagggcagca tatctcagag attatgcctg 300
 aaatgcaatg caaatgatga ggagatgagc tggcagtgca ggatttgcta gcttctagtt 360

gtccctgct aggatgcac cataaccaat tctgttatgc aaatattcct agaagatatg 420
gataattcct ttagcagtag gcattatata tgcataatgta aataactagc anaatcaata 480
agaaccaatt acactcctct cattccttcc c 511

<210> 10408
<211> 238
<212> DNA
<213> Glycine max

<400> 10408

atattctaaa ttgtaattag agtgacttta aaatttttaa tattatgaga aacgatagat 60
tgggtaaata gtcactttgg tccctgaaag tgtaactcgc tgacaatttg gtccctgaat 120
cgagataaat tgcaaaataa tccctgaaac gtgcactctgt tagtcactac cgtgaatgga 180
gtagttacct ccgtcattta tctctgatgt ggttcgttta atgccacaca cacatgat 238

<210> 10409
<211> 323
<212> DNA
<213> Glycine max

<400> 10409

ctgatgaaga tgaatttgtg gctacttcat gcactcctct aatgacaata gcatcacttc 60
tggcactaaa ttgctgggag tttgaagtca tcttctcaat taaatttatg gcttcagcag 120
gggtcatgtc tccaagggct ccaccactgg cagcatctat catacttctc tccatgttac 180
tgagtccttc ataaaaatat tggaggagaa gctgctcaga aatctagtgg tgaggacaac 240
tggcacatag tttcttaaatt ctctcccagt attcatataa gctctctcca ctgagttgcc 300
taattcctga aatatctttt ctg 323

<210> 10410
<211> 461
<212> DNA
<213> Glycine max

<400> 10410

aagaaagagt tatatggtaa gccttggtac ttctatcata aacttatgca taaaaacaag 60
gaatacccggt aggaggcctc tgacaacgac aacgaaggtt ggtggccagc ttcttcctga 120

gtgggaatat cctatacaag aggaaccatg acatgggtact gcttcgatgt gtggatgccca 180
gagaggctaa gcaaagtctg gtagagggtg atgaaggatc ctttagcacg catgccaatg 240
gacatgcctt ggcccgaaaa attctgagag tgggggtatta ctggctcact atggagagcg 300
attgttgcac ccatgtgagg aaatgccata agttccaggc cttcgctgat aatgttaatg 360
ctccacccat accttttaac gtcttgtgta gcaccttggc cattctctat gtgtggaata 420
gacgtgatca gagccattga gcctaaagat tcaaacggac a 461

<210> 10411

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10411

aaggaaattn gaatttctat tcagatttca ctogaatttg aaattgaatt tgtggagcca 60
aaatttcatt aattatcatt agtgaatttt agctatgggt tagcccacta atccaagatc 120
aagactaaga ttctccacta agtgtgctta ggtgtcatga ctcatgaggc atgtaaaaca 180
tgaaagacat gcacaaagta tgactatatg atgtggcaat gaggtgtagc aagcaaatgc 240
tcacctcccc ctctaaaatt taattggatt gggcttctcc caattcaatt aaatttat 300
cccaacacac acatgtacaa tgttcctatt gaaaaataaa ggtttaattg cacttcttac 360
tccctaactt t 371

<210> 10412

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10412

aagggttagg acaccctat gttgggttaga gcccganata nttctcacct tatgacccaaa 60
agtgggtacaa cataccactg agaaagttaa gttaattgaa gaaaggatga gaactgctca 120
gagtaggcag aaaagttatc atgataagag gaggaagat ctggaattcg aggttgggtga 180
tcatgtattc ttgagagtca ctccgtggac tggggctggt cgagcattga aatccccgaaa 240
actaacaccg cgtntattg gtccttttca aattcttaag agagttggcc ctctggcata 300

ccaaattgca ttacccccgt ctctttctaa tcttcacaat gtctttcatg tgtctcaagt 360
 ccgtaagtat atccgtgatc catcccatgt gattgaattg gatgatgtac aagtgaacga 420
 gaatctgaca tatgaaacat tac 443

<210> 10413
 <211> 125
 <212> DNA
 <213> Glycine max

<400> 10413

acacatgaat gacaacgcca ctcatctcatg gggctccgaa aaagggtaaa aatggaggat 60
 ctgcctgaag gtcctctctt aagcaatcat ggaacacaac tccatactcg aaagtggagg 120
 accca 125

<210> 10414
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10414

tgccttggtgta acttggttaac ccagctggcc ttgaataaga aatctgtacc tgtcgcaaga 60
 gtctgtgggtt tatgctcctt tgtcgaccac catacagatc ttttcccttt tatgcagcaa 120
 cttggagcaa ttgagcagcc tgaagcttat gtctgcaaac attacaacaa acctcctcca 180
 cctcagcagc aaaatcaacc acagcagaac aattatgacc tctccagcaa cagatacaat 240
 ctcggtatgga ggaatcacc taatctcaga tgggtctagcc ctcaacagca acaacaacag 300
 cctgctcctt ccttcacaaa tgttggttggc ccaagtagac catacgttcc tctccaata 360
 caacaacaac aacaacaaca acagccccag aaacaacana cagntgaggc cccnntcgca 420
 ccttccttga gaacttgtga gganatgact atgcaaacat gcagttcaac a 471

<210> 10415
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 10415

gcatgcaagc ttgactttcg ttcgctcaga tagtattctt tctggatctc attctatctc 60
cattagaaaa gaggaggaac taagcaaaat gaagacatgg gaagccacat ccacttcaac 120
atctaaatca attggcactg gcctatcctt acttgaagat ttatatattt gcttggaaga 180
tcttcttaat gtggcatcaa cgcaaaaagt gatttctaac catcaaggtg agaaatgcat 240
ggaagaatag cttgatgggt cagcgggaat tctggatatt tgtggcatta caaggaacac 300
catgccacaa gttaatggaa atgttcaagc acttcattct gctctt 346

<210> 10416
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10416

actaagctat gctganatat ttataataga cccctcagca gcaaaactct caacttcaga 60
antaatatga actttcaagc aacaaataga atccagggtg gaggaatcat ccaaactctga 120
gatgggcaag tcctccataa taacaacagc ctgtccctca tttccagaat gctgctagtc 180
caagcaagcc atatgttcc cctccaatgc agtagcagca gcaacaacaa caacaaagac 240
aacaagcaac tgaggctcct tttcaacctt ccttagagga gttagtggagg caaatgacca 300
tccagaatat gcaatttcaa caatagacaa gagcctncat tcagagtctg acaaatca 358

<210> 10417
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10417

tataaactc aagctntgaa tgctctattc aatggagttg acaagaatat cttcagattg 60
atcaacacat gctttgtggc caaagatgca tgggagatcc tgaaaaccac tcatgaagga 120
accttcaaag tgaagatgtc cagattgcaa ctattggcta caaaattcga aaatctgaag 180
atgaaggagg aagagtgtat tcatgacttc cacatgaaca ttcttgaaat tgccaatgct 240
tgactgcct tgggagaaaag aatgacagat gataagctgg tgagaaagat cctcagatcc 300
tcgcctaaga gatttgacat gaaagtcact gcaatagagg aggccaaga catttgcaac 360

atgagagtgg atgaactcat tggttccctt caaaccttng agctangact ctcggatagg 420
gctgaaaaga gagcaagaac ttgcgttcgt gtcaatgatg 460

<210> 10418
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10418

ctcagcatca taatcaacca caacagaaca attatgacct ctccagcaac agatacaacc 60
ctggatggag gaatcaccct aatctcagat ggtctaacc tcagcaacaa caacagcagc 120
ctgctccttc cttccaaaat ggtgttggcc caagcagacc atacattcct ccaccaatcc 180
aacaacagca acagccccag aaacaaccaa cagttgaggc tctcgcgcaa cttccctca 240
aagaacttgt gaggcaaatg accatgcaga acatgcagtt tcaacaagag accagaccct 300
ncattcagag ctttaaccaat tagatgggac aatnggctac accaataaat caacaacagt 360
cccagaattc tgacaagctg ctttctcaat ct 392

<210> 10419
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10419

gtcccgtaat atatcgagac gctcganatt gaatgttgat ggtcgnatgca aattgaaacg 60
acaataactt tttactctga tgtctgattg agtcccgtaa tatatcgaga cgcttcgaat 120
tgaatcttga tgctctgagc aaattcaaac gacaataact tnttactcgg atgtctgatt 180
gagtcctgta atatatcgag acgctctgaa attaatacga aagctatgag caaattcaaa 240
cgacaataat ttttactcgg atgtctgant gagtctcgta atatatcgac acgctcgaaa 300
ttgaatgttg atgctctg 318

<210> 10420
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10420

aaagacacac gcctgtttac catttctttt cctgattaca ctccagatta tttttcaaatt 60
tcagcaaagg tgatgtttcg agtagactaa ctggttgacc caaagcactg tatgcagctt 120
cagaaattgc acaggcagaa atagcccca ctgattcacc acctaaagca tactgctgga 180
aacctttatt gcatgaagag tcctcttcaa tatcataaga aaactgaata agttgattac 240
catataaatt tctcaccgtt ccatcatatg catcatacaa atcacgcatg aagaacataa 300
gtctacgtgt cagtgtacca ggaaggccg catggctcact gaaagagcta tcacgatttg 360
tactgaatg aacaaaacat tcaagtggat tcaaccagat taaataagaa ctntcaacta 420
cagcatatgg aatgtatgac tgaacagaaa tcagggta 458

<210> 10421
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10421

actcctacca tgtgccacag gatgcttagc taaatcaatt gctgatttgt tatccatcaa 60
caaccttata ggactgcaat ttctcaagtt tagttcttcc attaaagctt ccagccataa 120
agcttgacag gctgccatag caacaacaat atattctgct tcacatgttg acaaagcaac 180
tacactctgc ttctttgagc accaagagat tggatgatgtt ccaaatttga aaacataccc 240
agcagtgttt ntctatcat ctttatcacc acaccaatct aaatcactat aaccaaacac 300
ttctccttct atanttcttt gattgaagga tataaaatgc caagatccaa tgttcctttc 360
acatacctca gaatcctc 378

<210> 10422
<211> 274
<212> DNA
<213> Glycine max

<400> 10422

cgcttgatgt gacgacattt taatatgtga atgtccatta atttgatgca tgactaacga 60
gaaccacctt tacaactacg tagactcata accggagata ggcttgaggt caagatctaa 120

tctagttaat tagttggtag atgttcacac caagcttgaa ctttcattct aaacccttta 180
tctgaccagt aatataattg atcggtatct agcagataag acatttccaa ggttgtgaat 240
gtaattggtc ggcatacatg tcttgctgat ggca 274

<210> 10423
<211> 372
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10423

ccaacaacac tacaaagaac aagaatggca ccatcaagga cagcaaagc cctctcaacc 60
tcgatggtaa aatgaacgtg accaggcgtg tcaataatgt taatctgcaa caacacattt 120
cccaggatat taaacatata aatatatgaa gacaaaatta cttacaacac gataattaac 180
cacaattcac tcagataata aaaatagtaa cagcagaagc attcaaattc caattccccc 240
tttatatttc ttgattccta ttggttcaaa attcaattca atttaaaatc aaccaacata 300
acaaactcct caactctgtc caatttatgg cacttcaaaa acacatagca gtaatgattn 360
ttacatacac tc 372

<210> 10424
<211> 451
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10424

tgtaatcgat tacacacata ctgtaatcga ttaccagagt gagttttcag anaacattct 60
caacagtcac atctttttct ctgattctta agtggccatc aaaggcttat atatatatga 120
ctagagacac aaatttaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180
caaaattggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300
ttctttattc tgaaaaggga ttaagaggcc gatggtctct tgggtgtgaaa ggattctaaa 360
cacaaaaggaa ggattgtcct tgtgtgttta gaacttgaaa aggaattgca agatagtgga 420
actctcaagc ggggttgcttg ggactggacg t 451

<210> 10425
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10425

ntatgtgatg aacattgggtt aatggcaatg catgaagagc tgaatcagtt aaagagaaat 60
 gatgtatggg atttagttcc taaaccaacc tctcacaagc caatcgaaaa caaatgggtg 120
 ttttgaaaca aacttgatga atctggcatc atagtgagga ataaagaaag attggctgcn 180
 aaaggatata actaagaaga aggaattgaa tatgatgaaa cctatgctct agttgcaagg 240
 ttagaagcta taagattgct acttacattt gcttgtatta tgaatttcag actttttcag 300
 atggatgtaa aaagtgtctt cctcaatgga tgcattgaat aagaagtgta tgtagaccaa 360
 ccactangat ttgtggatca tgaacatcct gact 394

<210> 10426
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 10426

tattcggaga cccatgaatt gattgcctag cgcagattat gcgtcctcca ccatcgagtc 60
 taaagcccca tggattgatt gcctagcgtt gttcgtctat cctccaccct caaatcttat 120
 tcggagaccc atgaattgat tgcctagcgc agttcatgcy tccccaacca tcaagtctgg 180
 agccccacga attgattgcc tagcgttggt catctatcct ccaccctcaa atcttattcg 240
 gagtcccatg acttcattgc cttgctcggg tcatgcgtcc tacaccatcg agtctggagc 300
 cccacgaatt gattgcctag cggtgttccc ctatactcca ccctcaaata taattcggag 360
 acccatgaat tgattaccta gcgctgttca tgcgtccaca accattgagt ctggagccct 420
 acgaattgat tgcctagc 438

<210> 10427
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10427

tactaatgct cctgttctag ctcttcctga cttttctaaa acttttgagc taaaatgtga 60
tgccctctgga gtgggagttg gagttgtatt gttacaaggt gggcacccta ttccttattt 120
tagtgaaaaa cttcatagtg ccacctcaa ctaccccacc tatgataaag agctttatgc 180
cttaataaga gccctccaaa cttgggaaca ttaccttgtt tccaaggaat ntgtcattca 240
tagtgatcat caatcactta agtacatcag agggcaaagc aagttaaaca agaggcatgc 300
aaaatgggta gagtacctag agcaatttcc atatgttatc aaatacaaaa agggaaaaaac 360
aaatgtggta gatgatgcc tttctaggag acacacatng ttntgctccc tangagcntc 420
aaatttatga tttgataata ttagggactt gtatgc 456

<210> 10428

<211> 435

<212> DNA

<213> Glycine max

<400> 10428

tgtaatcgat tacacacata ctgtaatcga ttaccagatg agtttttcag aaaacattct 60
caacagtcac atctttttct ctgattctta agtggccatc aaaggcttat atatatatga 120
ctagagacac aaatttaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180
caaaattggt ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcttctcttc 300
ttctttattc tgaaaaggga ttaagaggcc gatggtctct tgttgtgaaa ggattctaaa 360
cacaaaggaa ggattgtcct tgttgtttaa gaacttgtaa aaggaattga caagatagtg 420
gaactctcaa gcggg 435

<210> 10429

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10429

agcttgcacc tgctagccca cggaattagt gggtcgacct atataaaaaa tttttattaa 60
aaaattaaat tttaaaacgt aaaagttgga aaccatttaa gaactatgaa atatcaaata 120

aaaaattatt tgtccaaaat aattacaata attacatctc aagtcaccta aaaaaagtat 180
 tnttttcata tcatatntac ttaatttgta attctatatt aaatcaaaat tatcaccatt 240
 caccanacca ttgaaaaata tataaaagtac ttacattcta tatgtttttt aaaagttatt 300
 tttttcttaa nttatgcccc ttatttatta gtatcatata tggtatatta nnaatataaa 360
 agtctgtcag taaaacttgt ttaaacacgc ag 392

<210> 10430
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10430

tatgtgcac acatctacaa cagacctcct caacctcatt atcaaatacag ccacaataga 60
 acaattatga cctctccaac aataggtaca atcctgggtg gaggaatcat cccaacctta 120
 gatggtcaaa tcctttacaa cagcagcaac aacaacctta ttttcaaaat gttgctggcc 180
 caagcagacc atacgttcct ccaccaatcc agcaacaaca gcaacagccc cagaaacaac 240
 aaacaattga gactcctctg caaccttccc ttgaagagct tgtgaggcaa atgactatgc 300
 aaaacatgca gtttcaacaa gagaccagag ctttcattta gagcttaact aatcagatgg 360
 gacaattggc tacacagtta aatcaacaac aatcccagaa ttgtgataga ataccttctc 420
 aatctgtcca gaatcccnaa aatgtgagtg tcattaca 458

<210> 10431
 <211> 467
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10431

tgttggagat aaaggtgntg tggaggcagc cctcgctata ggaagtgaag ttagacattt 60
 gcaacgcgaa acttttgaag gggctcaaac attgatgtca aattttactg aattcgccac 120
 ggtggggaag catatgacaa tacttgacag ctcaccaaag cttgaagtgt atcaaactga 180
 ctttgggtgg ggaaaacca agaggagtga agtagttcat gtagataatt caggaacaat 240
 ctccctttct gactgtagag acaaagaagg tcgaattgaa gttgggttag cactgcaaaa 300

gattcaaatg aatcaattca gtaccacttt ggaagagcac ctcacagaaa ttggagttct 360
 tgactgaaaa tctccactca cagaatatgg ttgcacaatg cacacttgca cagttcaact 420
 cctaccaacc gtacgcgtag aatgataatg atattaactg ttacata 467

<210> 10432
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 10432

taagaggctt gccagtgcta atggatgttt cccttgattg gagaaggtag aaatattgtc 60
 taagatggag tgctcttttg ataccactt ttgttgacaga acaatttttc ttcttaacaa 120
 tcttggttaga ggaatcattt tctcttttat ccttccccctt agactttgaa gacaaggcct 180
 tactatactt ctttgtcttt tgtgtttcct cctcatcctt cttatctttc atagttagtt 240
 gatcttttgc cacctgtgaa ggtgtttaag gatgcaacac aaattttgtg ccaagatacg 300
 tgacggtaat ctcattgggt aggcaattgc aaacgatctt cctatcaaat tgccatggcc 360
 ttcctaaaag aatatgtcct gcctgcacgg gaactatata ac 402

<210> 10433
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10433

tatgtgtggg atacctagtg tgagcatagt ttccaaactc ttaaggaaaa gttgacgacc 60
 gctactatgt tagttttgcc taacatgaga gaaccctttc aggtgtattg tgatgcacca 120
 aagatggggt taggaggagt attgatgtaa aatgggtaag tagtggccta cgcttctaga 180
 caactccaga ctcattgagag gaattatccc actcatgata tagagtaggc tactgtagtt 240
 ttttccctta agatatggag gcattacctc tttggcccca agtttgaggt gtttagtgat 300
 tataagagcc ttaagtactt gtttatgttg gatcgagtgg cctcagaata attaagaagg 360
 ngggggg 366

<210> 10434

<211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10434

agcttaagct ccttcaactg cacaaggctt ttaatatattg aagagtatnc ttgtggaac 60
 ctcacccgac naaagaccac tgacaactta tctttctctt tctggacaaa gtatggcagg 120
 gctggggcaa gtaaaatttc tttccatcaa accttggatg caactgtgat cgtatgccca 180
 tataagctaa atcttgacgg gtattcaagc catccttcgt cttgccttga atgttaaaga 240
 gcgttccaat cacactgtca caaacatttt tctccacatc cataacatca atacaatgtc 300
 taacgt 306

<210> 10435
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10435

ttttagtaga tgaagatgaa tttgtggcta cctcatggac tcctctaagg acaatagcat 60
 gctttcttgc actgaattgt tgggagttgg aagccatctt ctcaatcaaa ttcctagctt 120
 cagcaagggt catatcacca agatcttcac cattggtagt atcaatcata ctctctcca 180
 tgttgctaag tccctcatag aaatattgaa gaaggagttg cttagaaatc tgggtggtggg 240
 gacaacttgc acacaatttc ttgaatcttt cccagtaetc atacaagctt tctccactaa 300
 gttgectgat gcctaaaatg tcttttctga tggcagtggt cctagatgca gggaagaatt 360
 tctccaagaa caccctctta aggtcatccc agctganaat ggacctgnga gcaaggtagt 420
 at 422

<210> 10436
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10436

gttcagcttc ttctggcaat ggttggacca gggtcatttt tgaaaagncc tttggtcgtg 60

attcagattc ttcagctgca ttaactagat cactcaagca gtatctgaca gaggatcaaa 120
 ttttcagggtt ttctaactaa aactgataat cttcaattca actttaagat tgtaaagtac 180
 attttataaaa atgggaaata ttatacagga ttgaccacta tcttgggaaa gagcttgtgg 240
 aaaatctttc tgttctccga ttctcaaata tcatctttga accattatgg tcaaggcaat 300
 atataagaaa tgtacagttg atattctcag aagattttgg cactgaaggg cgtggcgggt 360
 aacctttatt ccttaacagc ttccacactt tctgttctta taatggggat tcttatacat 420
 tttcatatct gtacatgtg taggtactct gaccattatg gtatcat 467

<210> 10437

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10437

tgaagganaa cttgatgtct tgctcaacct agtaactcat cttgtcataa attagaaatc 60
 tacacatgtt gcaagagtct gtggtctatg ttcttctgca gatcaccata cagatctatg 120
 tccttccttg cagcaatcta gagtcaatga gcaacctgaa gcttatgcta caaacattta 180
 taatagacct cctcagtagc aaaaccaaca acaacagaat aattatgac tttcaagcaa 240
 caaatacaat ccagggttga ggaatcatcc aaatctgaga tggacaagtc ctccataaca 300
 acaacaacag attgtccctt cttttcagaa tgctgctggg ccgagcaagc catatgttcc 360
 tcctctaatag cagcaacatt agcagcagtt tgaacaaaga taaccagcaa ctg 413

<210> 10438

<211> 271

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10438

agcttcaatg gctcaatgag caaggggatt tgatagtcaa tcaacaagta aagatacctt 60
 tttctataag agactatngc gatgaagttt atgttatata ctccctangg aagcaaggca 120
 cattttgntg ggtagagtat ggcaatatga caagaaaagca atccacaatg gtctcaccaa 180
 tgaaataacc ttcacccatg gaagcaaaan agtaaaaactt gttcccttga caccttcaaa 240

agtgttggg gatcaagtac aaataaaaact c

271

<210> 10439

<211> 467

<212> DNA

<213> Glycine max

<400> 10439

ttatgcgggc atcgtataat aacaccataa catgatgggt ttggtttaat ttcatttttg 60
aacacttgcc gctatctttg ctcttagatc cttgogcaag attttgccctg acggtgactt 120
gggaattgca tcaatgaaga atactcgggt tattcttttg taaaacacca cctgcacaat 180
tccacaactc attacattcc ttattttgtg gctaagaaag gtacagtaca catcataaac 240
ctgtaaaaaa cgcatttata tctgaaagt acccagacat ttagaattag gtgggaagaa 300
gcggtgtggg tcagttataa gaaaaaatga gaaattatat taatacggca tgaatgagat 360
tatttttaaa atgaatatat attagatcaa gtgaaaatta atagcaaagt aattataacg 420
tgttttattt atttattaag aaagtattaa ataatagtga atatatg 467

<210> 10440

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10440

ntntattcac agaaggaaat tcaataaata ggcttcctat tttaatggag aggggttacc 60
actactggaa aacacaaatg caaatcgtca ttgaggcaat tgacttaaac atttgggaag 120
ccatagaaat aagaccttat gtaccactg tgggtgctgg aaatacaaca atagaaaagc 180
ctanggaaaa ttggagtgag gaagaaagaa gacgagtaca atataacttc aaagccaaaa 240
acataattac ttcttggata aatactttaa ctcatgagta tgaattgttt aggatgaaga 300
caaatganag tatataagat atgcagaana gattcacaca tatagttaat catcttgcac 360
cattaggaag aatattccca aacgaggatc tcataaataa agtggttaaga tgtctaagta 420
gaaaatggca accaaaggta acagccatca tagaatct 458

<210> 10441

<211> 265
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10441

tctcgatata ttatgtccnc gaatcagaca tctgggggta gagttatgac catttgaatt 60
 tctcgagagc taccgtagtt caatttcgag tatctcgata tactattttc ccaaatcgga 120
 tatgccttgc ataagctatg acccattcaa tgtctcgaga tcttcggctg ttcacattca 180
 agcgtgtcga tatattatgt cctctaataca cacatccgag tgaaatagta tgagtagtcg 240
 attttctcga gagattccgg tgttc 265

<210> 10442
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10442

ntgagccaat tcagacaaca ataacttttt actcggatgt cttattgagt cccgcaatat 60
 atcgagacgc tcgaaattga atgttgaacc tctgagcaaa ctcaaacgac aataactttt 120
 tactcggatg tctgattgag tcccgtcata tatcgagacg ctcgaaattg aatgttgaac 180
 ctcatagcga attcaaacca caataacttt atactcggat gtctgattga gtcccgtaat 240
 atatcgagac gctcgaagtt gaatgttgaa gctctcagcc atttcaaacg acaataactt 300
 tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat cgaatgttga 360
 agctctgaac taattcaaac gaacaataac ttttactcgg atgtctga 408

<210> 10443
 <211> 226
 <212> DNA
 <213> Glycine max
 <400> 10443

cgacaatacc ttgtgacacg gatgtctgat tgagtcacgc tttatctcga gacgcttgaa 60
 attgaatacc gaagctctga gcaggtacag acaacaataa ctttttactc ggatgtcgga 120
 ttgagtcacg taatatgtcg agacgctcgc aatagaatac cgaagctctg atcagatcca 180

gacgacaata cctattgact cggatgtcgg attgagtcac gtaata

226

<210> 10444

<211> 370

<212> DNA

<213> Glycine max

<400> 10444

tatgaggaga agcataagat taagcaagag atcaccattc tactcttcaa gttgcaactg 60

aaggagaagg aagaaagtca aggaaatgaa agaagtcatt gatgccgagg tagagggttga 120

ggtcacggtc gaggataggt tggaggtggc aatagtgtac gaggttcaaa tttcatcaac 180

aatagttacg agaaatgaaa aagctcaaga gaatgtggaa aaggctatac aagcacaagg 240

tatgataaat ctcaaactcg atgttataaa tgtcaaaaga ttggccacta tgcttcaaaa 300

tgtagattcg ccaagaatag agttgaggag gagactaact atgtggagca aaaggatgag 360

aagttcaaat 370

<210> 10445

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10445

caagctgttt accccatggt gagtntgctt acaatatagc tgttcatagc actactaatt 60

gttctccttt tgaagttggt tatgttttta acccactaac ttctcttgat cttttgccta 120

tgccaatgt ttctatTTTT aagcataaag aaggtcaagt aaaggcggtc tatgtgaaga 180

agcttcatga gagagtcaaa gatcaaattg acaggaaaaa taaaagctat gctaaacaag 240

ccaacaaagg gagaaagaag gttgtcttcg aacctggaga ttgggttttg gtgcacatga 300

gaaaagaaag gtttatggaa caaatgatat caaagcttca accaagggga gatggaccat 360

tttaagtgt tgaaagaatc aatgacaatg cttacaaagt tgagctaccc agtgagtata 420

atgtagttc caccttcaat gtctctgact tate 454

<210> 10446

<211> 407

<212> DNA

<213> Glycine max

<400> 10446

tatacatgag tatgatttta tgatcctatt tctataatgt tgagaaacat agacttcctc 60
ttcaatgtat ccgtttagaa aagaactttc ccatccattt ggtacagatt taaatctata 120
atgcaagcaa atgcaaccaa caatctcaca acttctaata taactatcgg agcatagggt 180
tcaccaaagt ctatatcttg ttgttggtta taacccttga ctactagcct cgctatgtta 240
ctagttatta agccatgttc atctagctta ttttttaaaa cccattttgc acctataatg 300
tttgtcttac taggcctagg tactagttcc caaaattcat ttctcttaga ctaattaagt 360
tcatcatgca tagctataac ccaatgttca taacaagtgc ctattca 407

<210> 10447

<211> 326

<212> DNA

<213> Glycine max

<400> 10447

agcttgaagg taaactagat gccttggttt acctggtaac ccaactggcc ttgaatcaga 60
aatttgtacc tatcgtaaga ttctgtggtt tatgctcctc taccgaccac catacaaacc 120
tttgcccttc tatgcagcaa tctggagcaa ttgagcagcc tgaagcttat gctgcaaaaa 180
tttacaatag acctcctcaa ccttagcagc aaaatcaacc acagcagaac aattatgacc 240
tctctagtaa cagatacaat cccgatgga ggaatcacc taatctcaga tggcttagcc 300
ctcaacaaca acaacaacaa caacct 326

<210> 10448

<211> 412

<212> DNA

<213> Glycine max

<400> 10448

tttgagctg gaatcattta tctatctcc tatagcttat gggtagtcc cgtccaggta 60
gtcccgaaga agactagcct cacagtgatc agaaatgaga aggaggagct gattcctatt 120
cgggtgcaga acagttggag agtctgcatt gactatagga ggctgaacca ggttaccaaa 180
aagaaccatt ttccctgcc attcattgac cagatgcttg aacgcctggc aggtaaatcc 240
cactactgtt tccttgatgg ttttctggt tatatgcaa ttactattgc tcctgaggat 300

caggaaaaga ccacattcac ctgcccccttc ggcacttttg cttataggag gatgcctttc 360
ggcctgtgca atgccccctgg taccttccag cgggtgcatga ttatatattt ca 412

<210> 10449
<211> 227
<212> DNA
<213> Glycine max

<400> 10449
attatttcct aataactgtc gttcttgggtg tgatacatag gagataatat tccattagca 60
gaatatatga tcagacattg ctatactgtt cattttaaacc acgttgaaat tgcacgctc 120
tatcttcgag ttttcttttt gcaatgatag caagagtaga acaggtacat cgcacagtac 180
aagaacaaat aggatctggc ctaaaattct ctatttcac ccataca 227

<210> 10450
<211> 393
<212> DNA
<213> Glycine max

<400> 10450
cgccttgaag ttggactcgg tccttcgggtt agagggtcat tctatatgta aatagtccca 60
aaaccagaaa tggacgcctt aagaggctca acaattttca tagcagtcgg gtgttccccc 120
attatgttgt tatggaaata aaagtggagc tgggtgagtc tttccacggg ttttgtggat 180
agagacatag gacactcttt tgtaaact tcaactatttg ctggtaagga acctgacatg 240
ataaccatga aatgcaacga aaaaaggaga cacacaagtg aagccatata ggtacaattt 300
ttaggtatgt tagccaacgg ttgcaaacag ctatatatat aggctaccag aagatatagg 360
taccttgtgg tggataactt tattagctac ttt 393

<210> 10451
<211> 420
<212> DNA
<213> Glycine max

<400> 10451
ggacacttga aactcagcta gtacatatag ttgcaacctg aggtccttta tagacttatt 60
aaaaatatca gccaaagtgt acgagatcta tctttatgtg tttaggatgt tcatggaaga 120

ctaaattaca tgcaacgtga atagagcaac tgcattgtca catataagct tagtgtcttg 180
 agtgttttga aactttaatt gctgtacaag gtgcctaagc catgtaattt ctcattgcaac 240
 ttctgttatg gtatagcatt caactacagc gctggatctc gcagctatat tttgcttatt 300
 gcttctccat gagatcaaat tccctacgag cagaacacaa tagcctgagg tataactcct 360
 gtcgcattcag cactagacta acaacaata ttgacattgt cttcgccttc atatacaaat 420

<210> 10452
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10452

tctaaactnt gtacaagaat gaagctctga taccattgt tagacaagtg gcctcagata 60
 tcttaagaag ggggggttga attaagatat tccaaacttt tctcctaatt aaaaatctat 120
 cttacttttt acttaaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180
 aatgaagcaa cttgaattat gaatataaag caataataaa taaaggagat taagggaaga 240
 gaaaatgcaa actcagtttt atactggttc ggccacaccc ttgtgcctac gtccagtcctc 300
 caagcaaccc gcttgagagt tccactaact tgtaaattcc ttttacaagt tctaaacaca 360
 caaggacaac ccttcctttg tgtttagaga ttctttacaa caagagactc acagtc 416

<210> 10453
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 10453

ctcagcttct caagatttaa gttcttccta acactgttta ttcttagtcc caagtcctat 60
 aacaacttgc atttgcccat cgagtttgcg ggtgacaagt ggttgaaaat aacaaattaa 120
 tgcccaactt gtcacacaga gtctccaaa taaggcttag gaacttaaag tccctatcac 180
 taacaatgct ccttggtgaaa ccatggagtc tcacaatctc cttgaaaaac aaatcagcca 240
 catgggaagc atcatcaatt tttttacatg gaataaaatg agccatttta gagaacctat 300
 caacaaccac agaaatggaa tctctacat agcttggttt tggcagcccc ataacaaaat 360

ccatggataa atcaatccta ggatac

386

<210> 10454

<211> 401

<212> DNA

<213> Glycine max

<400> 10454

tgtaggcctt ggatcttctt catcaatgga gtcctttggt tcttgaagat caatgacagt 60

ggaatgcaga aggaggaaag gtgattggag atgccacttc aaggagaaga gagtcaagaa 120

caagttcacc accatatgaa gccatggata agagcttgaa ggttggagaa gatgagtgga 180

gggagaggga gagaaggggc acgaaattta tgcctcgaat gaggtctaaa atttgaagtg 240

taattttctca aatgatcaaa gtagaaataa tgcacacaaa aggcctctat ttatagccta 300

agtgtcacat gaaattggag ggaaatttga attttattca aatttcactt gaatttaaata 360

tcgtggagct aaatttggag cctaaagttc actaactatg a 401

<210> 10455

<211> 410

<212> DNA

<213> Glycine max

<400> 10455

accagctgg ccttgaatca gaaatctgta cctgtcgcaa gggtttgcg tttgcgctcc 60

tctgtgacc accatacaga cctttgccat accatgcagc aacctggagc aattgagcag 120

cctgaagctt atgctgcaaa tagttacaat agacctctc aacctcagca gcaaaatcaa 180

ccacagcaga gcaattatga cctctccagc aacaaatata accctggatg gaggaatcac 240

cctaacctca gatgggccag cctcagcaa caacaacagc agcctgctcc ttccttccag 300

aatgtactg gtccaagcag accatacatt cctccaccaa tccacaacag caacaactcc 360

agatacagtc aacagttgaa gtctccaca accttctcg aagacatgtg 410

<210> 10456

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10456

agctggtagg gntaaagtct catgattgtc tcttgctcat gcaacaattg atagccgngg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgctntttat 120
tccatgctat atgtagcaaa gtcattgatc ctgtcaagtt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggctctgtt tatctacggt 300
ggatgtaccc cggtagcgga gtcatgatga tcttaaaagg gtatacaaag aatctatttc 360
atccagaagc ctctattggt gagagggaca 390

<210> 10457
<211> 420
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10457

ctcacctatt aggettaaatt tctganatat accccctctc ttacctctcc ctttgatgct 60
ntacatggag tacttgaagg aagtggaagg aaaaactgtg catgattatc ttgaggtaaa 120
gatgggtaaa atgacaaagc caataggtgt ggaaggacca gtgatagtgg gtgctggtcc 180
atcagggctt gctgcagcag catgtcttaa acagaaaggc attccaagcc taatccttga 240
aagggatgat tgcttggtt caatgtggca gctcaagact tatgaccgac tatgccttca 300
tctacctaag caattctgcc aactcctct aatgcctttc ccccaaaact tttcctctta 360
tccaacaaaa caacaattct tggntatatt taaagcctat gctgaccatt ttgacataaa 420

<210> 10458
<211> 295
<212> DNA
<213> Glycine max
<400> 10458

cacatagaaa tgagagcgat ctaggtcctt tatatcatat tatcgtttta atcaatctat 60
agtttttaga aattcttcac gagttctaata aatagttata atatctactt aaacaacaat 120
tatgaaaaat ctattttcat attttgtttc ttcatgaaaa tacatggaca aataggatcg 180
attttatatt cttccttttag gaaatactca ctaagtgtat catactacat gcgacttgat 240

tgatttagcc tatatgaagt actcttcttg agaatatgta ttatttggca aatta 295

<210> 10459
<211> 417
<212> DNA
<213> Glycine max

<400> 10459

taagaaatct atatatgggt taaaacaagc ctttcgttat tggcgcctta agtttcatgg 60
gataatttct tcatttgggt ttgatgaaaa ccccatggat caatacatat accacagggt 120
cagtgggagt aaaatatggt ttcttgtttt atatgtagat gatattttac ttacagccaa 180
tgaccgggggt ttgctacatg aggtgaaata atttctttct aagaattttg acatgaagga 240
tatgggtgat gcatcttatg tcattggcat taagattcat aaagatagac ttcaaggat 300
tttatgtcta tcacaggaag cctatattaa taaaattata gagagatttc agatgacaga 360
ttgttcacca agtgtcgctc tcattgtgaa gggatgtagg tttaatctga atcaata 417

<210> 10460
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10460

agctcaacac aaggcatgcg aagagggtgg attttctana gcaattccct tatgttatca 60
aacataatat gggaaatgggt aatattgcat ccgatgctct ttctcggcgc catgcattac 120
tttctatgct cgaaacaaaa ttgattgggtc ttgaatgttc gaaaagcatg tatgaaaatg 180
atgaaactct tggagaaatt tttaaaaatt gcgaaaaact ctcagaaaac tggttcttta 240
tacatgaatg ctttctttta aaaaaacaa actgtgcgtg cctaaatgtt ctactagaaa 300
tatgcttggt tgcaagcac ttgaaggagg tctaattggg cattttgggtg ttcacaagac 360
tctataaaca tttcaagaac ac 382

<210> 10461
<211> 433
<212> DNA
<213> Glycine max

<400> 10461

acggacacta tgaaactaag cttgattctt aagaatgtcc ttatttatat tatacacatt 60
 gttttgctca tcatttaca cttgctcttg ttgcttctgc taaagtagtt gatgtacatt 120
 ttttttttca aaacttgaat atgattgtaa atgttatgtg ttcttgtaaa cgcaatgatg 180
 agttacaagt ttcttatgta actaaaattg ctcatttggg tgcaaagtgt gatattgaga 240
 ctagaaggag agctaataca attggcacac tatagagacc tagagatagt agatgaagtt 300
 cttattttcta ttcaatttgt agtcttttac gcatgtataa ctatttcagt tcttgaagat 360
 tttagctgtta aaggatctac ttttgcctaa taaggatgat ctactatgcc tcgaaagaat 420
 tgatttcatt tga 433

<210> 10462
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10462

actaagctac acagaatcgg atgtatatct tgtgagcata ttttactact ctaactggaa 60
 gaaccccttt ggtgctagtt agagatatga aatgtgcatt ggaaaaggaa aattttaaag 120
 caatcttgga cttttcatct ggtgaatggc cgctntttca aaccgaacag ctggcatatt 180
 tagcattgag gtgttgtaa aagacttggg tgaaccggcc agaccttgtg tcagaaatct 240
 ggagtgttct tgaaccattc aaagctactt gcattgacac gtcatcacat ttgatttcta 300
 agaagcttcg tegtgttct tccattntg tgtgccccat tgtccagggtg aagatcttaa 360
 tttttcacat tcattctttt taaaaaaact ggtctttatt gtatggaaaa t 411

<210> 10463
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10463

ctcagctttt atccaggctc atcttgggtg tgaagctctn ttttccatgg cttattcctt 60
 aatggatggc gcctctctc acctcttctc ctttgtcttc cgctgcatct ccatggtgaa 120
 aaatcaccat tgaaggacct cattgaagct caaagatcca gcctccatag aagctccaca 180

agcaagcttc catcaaaatg gctcgaagcg gcttcctaca ccaatgtcac gaggagtgtgta 240
 gtggtcagat tcatcaagag ggaactgatt tgtcggtacg gactccctag gaagatcatt 300
 accgacaatg gtaccaatct gaataacaag atgatgtagg aaatgtgcgc ggatttcaaa 360
 atccagcatc acaattccac gccctatcga ccaaagatga acagagctgt ggaagca 417

<210> 10464

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10464

tgccaatgct ctattggcta atgagtcggt ccacccctc gaattccaat cgaatcatga 60
 gtcacacat aaataactcc agcttcacac agtgcagaaa tccatatggc aactctcacg 120
 tagtcagtga agacaaaggc catttagatt ttgctgaaac aaatttcttg tagcatctgc 180
 agggcttttt ggagtgtatg tatgaaagct gaaatttaac tagaagggtg gtcaataatc 240
 cagaaaaaat gatggaagtc aagttttatt tatcttaaaa ctttgaaggc tatacatgca 300
 tgaagcaaaa agatggatga tgagtaaaga tgcaatgtac ttaatatgaa ttntaattgt 360
 aattaggaaa gttaatgaat ataacaaacc atggaaatga atcaccatca ttcagtaaa 419

<210> 10465

<211> 446

<212> DNA

<213> Glycine max

<400> 10465

ttaagcaccg cagctgcagc tctcatccac agcattccat ctgtgttctt attagtaaatt 60
 ctgatgcact tgccacaatt actaatgatt ccaaattatc atgattcctc actagttcag 120
 atatcaattt tacaatccgc tgattgattc tccacaactt ctgacctaga ttgtcatctt 180
 tggcaatcca tggctgcaat tccttctcgg cctgacaagc aacaagtcac gggatgaaaa 240
 atgaaatatt ttaaaaaaat ctacaaaatg gaagctgatt tggaacacag gttagatgag 300
 ctcttctgca taagatattt aaactttcta tacattaaaa gctatgtctc atgtgggaat 360
 ataatatggt aattcaaaaa ttctgtagcc tcgcgcgata attcctaaca attcttgact 420

aacaaaacac gtggcctacc catatt

446

<210> 10466

<211> 226

<212> DNA

<213> Glycine max

<400> 10466

gcattctgag agatgcttct gagcctgacg ctgagagaga tgttcaacat cttcccccca 60

gaagtttctg tggctgatgg cataagaatg tccaacatcc tccgctccaa tgctgaagcc 120

ctccctcacc cagtgaagag gaatcaacgg aagaagaggā tcaagccgca taggagaccc 180

ctgcaccaat ggcaccagaa cctgctccag gagacctcat tgacct 226

<210> 10467

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10467

tgcagctgga ttccttttagt agggaaatcta tccttcctaa gatggagcca aaccagtcā 60

cccttattaa gaactagctc tnttcttcct ctattgcctt tagttaaata caccttgttt 120

ggttctctat ntggttctta accctctcat gcaacttctt tacaaactct gacctagatt 180

ccncttcttt atgtataaaa gaagtgtcta gtgggagggg aatgaggtct aacgagttag 240

gggattgaac ccatagacat cctcaaaaagg ggactgcttg gtggttctat gaaccncct 300

gttgtaggca aattctacat gaggaagata ctcatcccaa gacttatggg ngcctttcag 360

atgaaccctt aaaaggggtg ataaagacct attcactacc t 401

<210> 10468

<211> 378

<212> DNA

<213> Glycine max

<400> 10468

ttagcaactc tatgcacaac ccatacttc tggtgcaagg atgacaatga cctgttācaa 60

aagtggtctc cctagtact gataatggct ctaggcacac caaacttgca aaaaatgttc 120

gatctcācaa aatccacaac aactttāgaa tcattāgtta tgggtggcctt agcttcaacc 180

cacctagaaa cataatcaac aacaagcaag atatatgaaa aaccatgaga aataggaaaa 240
 agacctataa aatcaacact cgaaaccagc gaggttgaca gttgctccaa aatagctttg 300
 tcgacctctt ccatcatggt caatagatcc ttgtcaaaat acttgaactt ggtgggggtca 360
 gactgctatt agaacgag 378

<210> 10469
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 10469

tcttagtttc agatgatgca gttgagtttg tagctacctc atgcactcct ctaatgacta 60
 tagcatcatt tttggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
 tggcttcggc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcactcttc 180
 tctccatatt actgagtcct tcataaaaaat attggagaag aagctgctcc gaaatctgat 240
 tgtgagggca actggcacat atttttttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatctcct tcctgatggc tgtggctcta gaagcagggg 360
 aattttt 366

<210> 10470
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 10470

cttectatth tcagctgatg aagattatth tatggctact acatgcactc ctctaattgac 60
 aatagcatca tttctggcac tcaattgctt ggacatagag acagtgtggg ggacacaaac 120
 actggctgca gcaaagggtca tgtctccaag ggctccacca ctggcagcat ctatcatgct 180
 tctctccatg ttactgagtc cttcataaaa atattggaga acaagctact ccgaaatccg 240
 atgggtgaggg caaccggcac atagctttct gaatctctcc cagtattcat ataggctctc 300
 cccactgagt tgctaattgc ctaaaatata ctttctgacg gctgcgggtcc tggaagcaac 360
 gaaaattttt tcta 374

<210> 10471
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 10471

taactccaat aaaaatgatg agtctaagtg atatttatac caggcgcaat tattgttttg 60
 tggaaccaga aaatttttgaa gaagcaatta agaaagatgc ttggggggaag gcaatgcaag 120
 aggaaataga tgcacttgaa aagaacaaga catgagaaac tggttgagaa gccaaaagac 180
 aaagaagtta ttggagttaa atgggtctac aagggtgaagc ataatccaga tggtttcagt 240
 ccaaaaagaac aaagaaaaaac ttgttgcaaa gggctattct caacagccca gtgttgatta 300
 tgaaaaaggt tgttgcaaac ttgttgcca catttgtaag agaatgtaat attttataat 360
 aaatcatcaa ttaagtccat 380

<210> 10472
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10472

cttcactaca tcaagaatca ccttggtgag ttttctctgn ggctgtctta ctgggttagc 60
 tccatcctct anatatatc gatgcataca tgtggatggg ctaataccan gaatgtccgc 120
 cagggtccag cctatagcct tcttattctt cttgagaaca gacaacaact tctcctcttg 180
 ctcatcagcg agggaggcag atataatcac tggaaaactt ntgctatcat ccaagtaagc 240
 gtatttcaaa tttgatggca gaggcttcaa ttctgggtgtg gtcggctgga tagtggtaga 300
 aggagatggg ttctcaccct gtacctcata tagaaagtca gaggtatgtg tacttccta 360
 aatatgggta gtcttatctg actctatnaa atcaatctca agaggtaaaa caccaccacc 420
 agacatgcaa tcaatatcac ttctagaatc actctc 456

<210> 10473
 <211> 291
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10473

gcgtctccat atattactgt ctctaatacct acatcgtagt aaaaagttat tgtcggttaga 60
atgtgctcag agcttctgtt ctgaatattg agagtctcga tatactacgg aacacaatcg 120
gacatctcag taaaaagtta ttgtcgtttg aatttgctca gagcttctgt tcttaattac 180
gagagtctcg atatattacg nggattcatt cggacatcca agtaagaagt tattgccggt 240
tgaatatgct caaagcattc gttgtcaatt acgagcgtct agatatatta c 291

<210> 10474
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10474

ctgcagctaa cnagacatgc tgttctgcat atgaaggta tatgcagggc attctnnttg 60
gattatgatg gaacagtatt gccttccggt gttaaaactc cgagtcctga tatcattgat 120
gttctaaata ttctttgcag tgaccctaag aacactgtgt ttatagtaac tggcagggga 180
caaccacgct gagtgaatgg tatgatcagt gtgagactct tggatatagca gctgagcatg 240
gttattatct aaagtgagat attcctctcc tcaattctgc tgataatgat aatgcacatc 300
ctctatttat attttacaag aatgagaagg aagggaacca tatgaggag aaggaataga 360
tatgtagggt ttcatacatc gacgatgcat atatttgcat catatgtagt ggattagta 420
tctatacatt ctattggtaa gttct 445

<210> 10475
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10475

agcttncatc actaaccctc aggagactaa ggagatagat ctcatgttat agaattgttg 60
gagaagggct gngtccaaga gaggctaagc ccatgtgcta tgccgatgta gttggtgctc 120
caaaaggatg gtacgtggag aatgtgtaca gattgcatgg ccatcaacaa catcacgata 180
aagtataggc accccattcc tagactagat gatttgctng atgagttgca tggtgccaat 240
atctnttcat aatatgatct tataagtggc tatcaccaaa tcaggatgaa atagggtgat 300

tgtagtggt tagctctact gagctttaag agattggcta agattntggt aatacataag 360
 cacttagaca atgaatgaaa gctggagttg ctgcacatga tgtccaacgt tatgtcaagg 420
 aataagatct ggctgcaca 439

<210> 10476
 <211> 266
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10476

tcggtcttca atttcgagcg tctcgactta ttncgtgtct caatcagaca tccgagtaaa 60
 aagttattgt catttgaatt tgctcagagc taaggcattc aagtccgagg gtctcgatat 120
 attacaggac tcaatcagac attcgagtaa aaaacttatt gccgcttgaa tttgctcaga 180
 gctttggtat tcaatttcga acttctggat atattacggg tctcaatcag acatccgagt 240
 aaaaaagtta ttgctgtttg aatttg 266

<210> 10477
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10477

taatgtgtct actatcnatt gtcacgtnt gtttgtcatt gaggtgccac ttgagctgac 60
 aggtctctcc acctttgggc gtattctatg aaagatctgt gccctttgt acacgttcta 120
 ttgttgcatc ctatcccgaa ccatatcana attgtactga tactgcctaa tgaaggcaac 180
 cattangtcc ttccaagagt ggactcgaga atgttccatg ttagtgtacc aggtaacagc 240
 taccacagta agattntctt ggaaggaatg tatcagcagt tcctcatctt tttecgatgc 300
 nncatcttc cgataatata tcttta 326

<210> 10478
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 10478

taaacattca atttcgagcg tctcgatata ttacaggact cttatcagac atccgagtaa 60
aaagatattg tcgtttgaat tggctcacag gctcaacatt caatcttgag cgtctcaata 120
tattacgaga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa ttggctcaga 180
actttaacat taaatttcga gcgtctcgat atattacggg actcaatcag acatccgagt 240
aaaaagatat tgtcttttga attggctcag aggttcaaca ttcaatttcg agcgtctcaa 300
tatattatgg gactcaatca gacatccgag taaaaagtta ttgctgcttg aattggctca 360
taggttgaac a 371

<210> 10479
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10479

gtctaatega gtccattata tatcgagacg ctcgaaactg aatggtgaaa ctctgagctg 60
attcaaacga caataactnt atactcggat gtccgattga gtgacgtaat atatcgggtc 120
gctcgttaatt gaatgttgaa cctctgagcc aattcaaacg acaataactc tttatctcgg 180
atgtctgagt gagttccgaa atatatcgag atggctgaaa ttgaatgtcg aacctctgag 240
gcaattcaaa cgacaataac tatttactcg gatgtctgat tgagtcccgat aatatatcga 300
gacgtctaaa aatgaatgta gaacctctga gccaaagtcaa acgacaataa ctctgtactc 360
ggatgtctga 370

<210> 10480
<211> 368
<212> DNA
<213> Glycine max
<400> 10480

tttactcggg tgtccgattg agttctgtta tatatcgaga tgctccaaat tgaaaatagt 60
agctectagc aaattcaaac cataataact ttttactcgg atgtccgatt gtgtcccgta 120
gtatatcgtg atgtcgtaaa ttgaaaacat aagggtctgag caaattcaaa cgacaataac 180
tttttactca gatgtccgat tgagtcccgat aatatatcga gatgtctcaa attgaaaata 240

gaagctccta gcgaattcaa aacataataa ctttttactc ggatgtccga ttgagtcccg 300
cagtatatct agacgcttga aattgaaata gaagctctga gcacaatcaa acgacattaa 360
cttttttc 368

<210> 10481
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10481 .

ttctctacaa ttgcatcacc tctcaatgag ctggtgaaga agaatgtggc atttacctgt 60
ggtgaaaaac aagagcaagt ctttgctttg ctcaaagaat agcttactaa agcacctgtt 120
ctagctcttc ctgactattc taaaactttt gagctagaat gtgatgcctc tggagtggga 180
gttggagctg tattgttaca aggtgggcac cctattgctt attttagtga aaaacttcat 240
agtgccaccc tcaactaccc cacctatgat aaagagctnt atgccttaat aagagccctc 300
catacttgng aacattacct tgtttccaag gaattngtca ttcatagtga tcatcaatca 360
cttaagtaca ttagagggca aagcaagtta aacaagaggc atgcaaaatg tgtagagtac 420
ctatagcaat ttccatatgn tatcaaatac 450

<210> 10482
<211> 175
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10482

aaataacaat ttagtgccca acttgctcca canagtcctc caaaaatggc ttatgaacct 60
agagtcccta tcaactaaca tgctccttgg ctaaccatgg agtctcacia tctccttgaa 120
aacatatcag ccacatggga agcatcatca actcttttac atggaataaa atgag 175

<210> 10483
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10483

taatccaatt aaattntata tggggagggtg agcatttgct tatttcaccc cattgtcaca 60
 tcatatagtc acactttgta catgtccttc atgctttata tgcctcatga cacctaagca 120
 cacttagtgg agaattttgg aattgatctt ggattagtgc gctgaaccat aactaaaatt 180
 cactaatcat aattagtga attttgactc caaagtttgg ttccacaaat tcaagtaaaa 240
 tttgaattga aattcaaatt tccctccaat ttttgtgaca cttaggctat aaatagaggt 300
 catgtgtgtg catttttttg aactttgatc atttgaatat tgaactttag atttcagagc 360
 tctttt 365

<210> 10484
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 10484
 tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
 agcaagaaat gaagagccaa tgggtgatac atggacggag atgaaaaaga tcatgaggaa 120
 gcggtatgtg cgggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccce 180
 aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
 tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
 ctgtgatagc tgcaggagtt tgttgaaatg gatgatttgc ttcacaaagc aatccaagt 360
 gagcaacaat taaaa 375

<210> 10485
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 10485
 ttgaatgctc tattcaatgg agttgtactt taatatcttc agactaatca acacttgcac 60
 agtggccaaa gatgcatggg agatcctgaa aaccactcat gaaggaacct ccaaagttaa 120
 gatgtccaga ttgcaactct tggctacaaa attcgaaaat ctgaagatga aggaggaaga 180
 gtgtattcat gacttcacaa tgaacattct tgaaattgcc aatgcttgca ctgccttggg 240
 agagaggata acagatgaaa agctgggtgag aaagatcctc agatccttgc ctaagagatt 300

tgacatgaaa gtcactgcaa tagaggaggc ccaagacatt tgcaacatga gagtggatga 360
actcatt 367

<210> 10486
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10486

tgctctganc cggctncctt attcgattgt tctatcattg ggnntagttt cctattcaag 60
tttactatt cttgaaagat ggccagcaca atcaagatcg agaagttcac aaggaagaac 120
aatttcaatc agtggcaaatt caagatgcga gctctgttga aggaacaggg catctgggca 180
ccactctcca gcagatcctc caacctagaa gcataccttc tggagcaaca agaagaaaag 240
gctcactcgc tgattcttct gtctctctca gatgaagttc tctacgaggt ggctgaagaa 300
caaactgttg ttgggtgtg gctgaagctg gagaaactct acatgacgaa gtccatct 358

<210> 10487
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10487

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catagttctg ctatccacga tgaaatctat gatgtctgga tgagtgggaa cactctcng 120
acatgctcac atctattgct gaggcagatg tggttttcac caacacagca tcagagaatc 180
cattgatctt gacggaggat gtaaaggacc ttctctctgc caccaatgaa gttggtggcc 240
gccgcctgta caccaagatt tctgttctta gaaatgtcgg atcatgtctc tcacaccttg 300
agtctgtgag aggttacatt gttgatgacc t 331

<210> 10488
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10488

gcttatgctg canatatgta caatagacct tctcttctat cagcagaatc aaccacagca 60
gagcaattat gaccgttcca gcaacagata caaccctgga tggaggaatc accctaacct 120
catatggtcc agccctcatc aacaacaaca acagcctgct cctttcttcc aatatgctgc 180
tggcccatat tgaccataca ttctccacc aatccaacat catcatctac tccagataca 240
accaacagat gatgcccctc cacaaccttc cctcgaagaa cttgtgaggc gaatgactat 300
gcagaacatg cagnntcagc aagagaccag agcctccatt cagagctta 349

<210> 10489

<211> 369

<212> DNA

<213> Glycine max

<400> 10489

tctcgatata ttatgtgccc gaatcggctc ttcgtttgaa aaattattac catttgaatt 60
tctcgagagc tttggctggt cagtttccag tgtctcgata tattatgcgc ctgaatcgga 120
cctttgtgtg acaagttatg aacatttgaa tttctcgaga cctttcgggt ttcaattaag 180
atcgtctcga tatgtgatgc gccagaatcg gacttccgtg tgacaagtta tgaccattgg 240
aatttatcga gaccttccga tcttcaattt cgagggtctc gatatattat gtgcctgaat 300
cggactttcg tgtgacaagt tatgaacatt ggaatttctc gagaccatac gttgtcaatt 360
tcgagcgtc 369

<210> 10490

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10490

agcttctaga tatattatgc gccggaatca gacttccggt tcataagtta tggccatatg 60
aatntctcga gagcattcgn tgctcaattt cgagcgtctc gatatagtct gcgcgtttat 120
cggacttccg tgtgacaagt tatgaccatc tgagattctc gagggcttcc gatcttcaat 180
ttcaagcttt tcgatatatt atgcgcctga atcagacttt ctgtacacaa gttatgacca 240
tatgaatatc tcgagagcct tcgttggtta atttcgagcg tctcgatata atatgcgcct 300

gaatcggact tncgtgtgat agagtat

327

<210> 10491

<211> 166

<212> DNA

<213> Glycine max

<400> 10491

ttatctttta gatctttaag tgcagatddd catgtataat gatagatctc atccagcgca 60

agttgttgca gccagatac gcacactgct atataaacat gaaagctgca cgagttdttcc 120

accaagtccg ggattgaaga gttattdttgt gagtdtttggg acttga 166

<210> 10492

<211> 422

<212> DNA

<213> Glycine max

<400> 10492

agcttcctcg tggcttdcttd gagaagcttd ctcaagaggc ttdcttdgaga agctagatcc 60

ttatctatcc acacccctct attaactaaa ttaacttdct taaaaataat tacggatgaa 120

aataacgcaa caaatattca aacatcaaac ataattacta atagtatata gatatatata 180

tatcaggggtg ttacaactct cccaccccttd tagaaattdc gtcctcgaaa tttaccttac 240

tcaaacaagg atgggtgagc ttdtcacatc tgacttdtcta attcccatgt ggcattctct 300

cctgatgcac ctcccagat caccttgacc aacagaatct ctdtccctct taggtgttdt 360

gttdgcctat cctcgatcct caaatgcaat gtdtcatatg tcaaattctc ctdcacttgt 420

ac 422

<210> 10493

<211> 414

<212> DNA

<213> Glycine max

<400> 10493

agcttdctatc ttdccatgac ttdtdtgtca ttdctgtaaa aagcaatctt ctcccgtga 60

ttdtcatcaa agattctaca catgttggtc aactgtgcaa agttatgaat accgtgataa 120

tttaccatca ttdtdacttc tggtcgaagg ccattgacaa atttcacgca ttdggacctc 180

tccccagctt cccctgata atgaggaaaa taccttaca ggttctcaaa cctcgccgca 240
 cactctgcca cegtcatact ttcatgtttc agctcaagaa actccatctc cttcctattc 300
 ttcacatctt ctggaaaata cttctccaca aaagtttgtc tgaaagtctc ccattggaca 360
 acaacaccac ctgctccctc taaacgtggg cgagtgttct cccaccagta ctcc 414

<210> 10494
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 10494

agctttgagc caattcaaac gacttatact ttttactcgg atatctgatt gagtcccgta 60
 atataatgag accctcgaaa ttgaatgttg aagctcttag attcaaacgt caataagtat 120
 ttactccgat gtctgatttt gtcccgatcat atatcgagac actcgaaatt gaatgttgaa 180
 gctctgatcc aattcagacg acaataactt tttactccga tgtctgattg agtcccgtaa 240
 tatatcgaga cgatcgaaat tgaatgttga atctctgacc aaattctaac gacaacatct 300
 ttttactcgg atgactgatt gggctctcga acatctcgag acgctcgaaa ttgaatgttg 360
 aacctccggg ccaattcaaa cgacaataac attttactcg gatgtctga 409

<210> 10495
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 10495

agctttgtac gttgacgtag gtgttattga acaaataaa cacatcccaa aacatgaggt 60
 ggtaaataaa ccctgtaagg aaggatacaa tgaccagaca atacatctag aggccttcta 120
 aagttaagca cactagaagg ggttcaatta atcaaataaa ctgcagatct cacagcctca 180
 ccccataaat gagatgggac attatcatct atcaaaagtg atcttgtcac ctctaataa 240
 tgtctatttt tctctcagt cactccattt ttttgtgggtg aataaagaca tgtgggttga 300
 tgcaagattc cattagagat cataaaactct attaattcag tcttaaaata ttccccctca 360
 ttatctgac taatgacctt agtatatgtg ttaaaatata tagctatcat ctgatgaa 418

<210> 10496
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10496

tcaacatcag accacttcca gggatgatgga acttcttcac atggacttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatgtg gttgtggatg atttctccag 120
 atttacctgn gtcaacttta tcagagaaaa atcagacacc tttgaagtat ttaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtgatcaag agaatcagga gtgaccatgg 240
 cagagagttt gagaacagca agtttactga atactgcaca tctgaaggca tcactcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa ac 352

<210> 10497
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 10497

tgagggtgta acagatgcct ggggtaacct gggtacccat ctgtccttga atcagaagtc 60
 tgtacctgtc gcaagactct gtggtttatg ctctctgcc aaccaccaca caaacctttg 120
 cccttctatg caacaatctg aagcaattga atagcctgaa gcttatgctg caaacatcta 180
 caatagacct cctcaacctc agcagccaaa tcagccacaa cagaacaatt atgacctctc 240
 ccgccacaag aacaatcccg ggtggaggaa tcatcccaac cttaaattggc cgaatccttc 300
 caacagcaac aac 313

<210> 10498
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10498

agcttntana atttatatca aattatctat gangattaaa gaatctatcc atgttgcttt 60
 agatgagact aaccctataa ggccaagaaa ggaaacactt gatgatatta taggttcatt 120
 agaagacatg cacattgatg agaaagggct caaaggcgca ggaaatggaa atgaagaaga 180

ctgtcaaatt gatgaaaata aaacaaatat agatcttcca agagagtgga gaacttcaag 240
 acatcatcct cttgataata tcattggtga catctcaaaa ggggtaacaa ctcgacactc 300
 tctcaaagat gcatgcaata atatggcttt tgtttcctta attgaaccta aaaattttaa 360
 tgaaatcata attgatgaac attggattat t 391

<210> 10499
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 10499

agcttgaggg aaaacttgat gccttggctt tcctagtaac tcagcttgcc atgaatagga 60
 aatctgctcc tgttgcaaga gtctgtggtc tatgttcttc tgtagatcac cataaagatc 120
 tttgtccttc tttgcagcaa tttggagtca atgagcaacc tgaagcttat gctgcaaaca 180
 tttataatag accccctcag cagcaaaacc aacaacagta gaataattat gatctttcaa 240
 gcaacagata caatctaggt tagagaaatc atccaaatct gagatgggca agtcctccac 300
 aacaacaata gcatgtccct cttttccaga atgttgctgg tccaagcaag ccatatgttc 360
 ctctccaat acagcagcag tcacaacaaa gacaacaagc aactg 405

<210> 10500
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 10500

agcttatcgt tagtttaatg gttttatctt acatcttata aaattttggt ttaccctgat 60
 tttataagat ctttaaagtt atatattttt cctaattgtt ggcaaagaac attatccaac 120
 ttttgagatt gagtaagggt atgtgaaaaa gtaaactgtc atcgtgtctc atacagcctt 180
 ttatatctta tctcgggtta tcatcttctc cagccttttg tatattaatt taaattttaa 240
 tatgaattat ttttaaatac actaaaatac tatactatct tttgttggtta gacttctcaa 300
 ccttcattta tatgtgtaac aacctatatt gaattaagga ttaggatttt tgttcatctg 360
 gatatgatga tattgaatcc attcttgtcc tcgagataaa atatctagaa ttgatagttg 420
 tg 422

<210> 10501
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations -
 <400> 10501

tgntgngtgt gtatgataat gtcctaata gtttcctcta tgattgtttg catgacacca 60
 acaatagcaa tgttggtgtt cccttgatc ggaaacgaag actccacatc tgcattgggg 120
 tggctcgtgt actacataca ctacatctat tttggaacca acatacctat catactccat 180
 acagtgaat caagcaacat tcttttggcc ctgaatttgg tgcttagtgg cagattttga 240
 gttttgcaag aagtcccaa gggattcaat gccaaaacca ccaagagttg agttgagggg 300
 gaacttaata acttttgggt ggtgtaactg attctgaatc ctaactttgg tcctg 355

<210> 10502
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 10502

tttgagcaat tcaaattggtc ataacttttc cttcgggggc agattcaggc gcataatata 60
 tcgagacgca agaaattgaa caacggaagc tctcgagaaa ttcaaattgct cataactttt 120
 aacacggaag tccgattcag gcgcataata tatcgagact cacgaaattg aataacggat 180
 gctctcgaga aattcaaattg gtaataacct ttcactcgga tgcagattc aggtgcataa 240
 tatatcgaga cgctcaaaat ttaacaattg aagctatcga gcaattcaaa tggtcataac 300
 ttttacttg gaggtccgat tctggcgcat aatatatcta gacgcacaaa atttaactac 360
 ggaagcta 368

<210> 10503
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 10503

agcttaacaa tcagtgtcat acttttgttt ataacaaagc aggtataaat atgcaatact 60

agactcaaaa tatgcaacaa acactagacc taaatcagtg tcacagaaat tggaagaaaa 120
 tattttatcc aagcacagac ttcaagcctt attccatgta ttggggggaa gttatggctg 180
 gccatatggg tagaggtgtc atagaagagc aggtatggag gaagggacct tggactgctg 240
 aagaggacag gttgcttggt gagtatgtca gggtgcatgg tgaaagcaga tggaactctg 300
 ttgctaggct tgcaagtaag aaacacccaaa cttttttcac tgttttggtt cttaatatat 360
 atgattggat tttcacattt ataagtgaca atatagcaaa aaaacaactg aaattgtttt 420
 caact 425

<210> 10504
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 10504
 agcttagccc tagaggggat ggttcttttc atgttttggg gaggatcaat aacaatgcct 60
 ataggttggg cctcccagaa gagtatggag tcagcaccac ttttaacatt tctgatttaa 120
 ctctttttgc aggtggagct gatattgagg aggaggaact aacagatttg aggtcaaata 180
 ctcttcaagg ggaaggggat gatgcaatcc tccctaggaa gggaccaatc actagaacca 240
 tgagcaagag gctccaagaa gattgggcta gagctgctga agaaggccct agggttctca 300
 tgaaccttag ggtagatttc tgagcccatg ggccaagggt ggggtccaatt atctttgtac 360
 atattagact aagatgtcat tatatttggt ccttgatatat agggctccat attgt 415

<210> 10505
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 10505
 aactaattga taaccgatg aagagcattt ttggggccgt tctcttctta caggttccca 60
 tagacacttt ataactgatg ttgccatgat tacatttggc atacatatca atcaaggcag 120
 tttccacaat gacctcagac tcgagctttt gccttattgc ccatgcatgc aggcacttgc 180
 catatttgaa ataaacccaaa ctgccacatg ctgatagaaa agaagctatg cttaccgaat 240
 caggtttaac tccttcacac tgactcctac gaaaagcatc agatcacttc tatcatcccc 300

attcaaaatt atccattaat caaagtagtc catgtaacca catctttctc atccatcctc 360
 ttcgctagca accatgc 377

<210> 10506
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 10506

agcttttcgcc tcccgatattt tcttttatga gccccgcaag ggcgccgaca tcctcgtgga 60
 ggcgctggag cggcagggcg tgacggacgt cttcgccctac cccggaggcg cctccatgga 120
 gatccaccag gcgctcactc gtcatactc catccgcaac gtcctccctc gccacgaaca 180
 gggcggcgtc ttcgcgcgcg agggctacgc ccgctcttcc ggctcccccg gcgtctgcat 240
 cgccacctcc ggccccggcg ccaccaacct cgtctccggc ctgcgcgacg ccttgcttga 300
 cagcgtcccc ctcgtcgcca tcaccggcca ggtccccgcg cgcattgatc gcacagacgc 360
 cttccaagaa acccccatcg tcgaggtaac acgttccatc actaagcata actatctc 418

<210> 10507
 <211> 308
 <212> DNA
 <213> Glycine max
 <400> 10507

tttgagcaat tcaaattggtc ataacttttc acttttaggt ccgattcagg cgcataatat 60
 atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaattg tcataacttt 120
 ttactcagat gtcctattca ggcacataat atatcgagac gtcctaaaatt gaacaacaga 180
 agctctcgag aaattcaaatt ggtcataact tttaactcgg aggtctgatt gaggcgcatt 240
 atatatcaag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtcataa 300
 cttttcac 308

<210> 10508
 <211> 414
 <212> DNA
 <213> Glycine max
 <400> 10508

agcttccatt gttcaatttc gaggttctcg atatattatg cgtttgaatg agacctccga 60
 gtgaaaagtt atgaccattt gaattgctca agagcttcca ttgttcaatt tcgagcgtct 120
 cgatatatta tgcgcctcaa tcggacctcc gagtcaaaag ttatgaccat ttgaatttct 180
 cgagagcttc cgttggttcaa tttcgagcgt ctcgatatat tatgcgctc aatcggacct 240
 ccaaaataaa agttatgacc atttgaattg ctcaagagct tccattgctc aatatcgagc 300
 gtctcgatat attatgcgcc tgaatcggac ctccgagtga aaagttatga ctatttgaat 360
 tgcttaagag cttccattgt tcaatttcga gcgtctcgat atattatgcg cctg 414

<210> 10509
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 10509
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 gagcttaaac ttctacctat ttgtttggct tttggcttat cttctgtcaa aggaaaaatg 120
 tctacatgta gcatatttac agggccacct tactttgaaa cagattcacc tagaaagaat 180
 ttgctagagt gagaaaaaca gttgaacatc attggaggaa ttgctcaata acttctatac 240
 cttccaagta ttcaagacta aaagtg 266

<210> 10510
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 10510
 taaatatcga gcgcactcga tatataacga gactattagg acttccgagt gaaatgttat 60
 tgtcgttcga ctttgctacg agcttaggtt ttaaaattcg agcgtcacga tatattacgg 120
 gactcaatca gacttccgag tgaaatgtta ttgtcgttcg aatttgctac gagcttcggt 180
 tttaaaattc gagcgtctcg atatattacg ggactcaatc ggacttccga gtgaaatgtt 240
 attgtcgttc gactttgcta cgagcttcgg ttttaaaatt cgagcgccac gatataattac 300
 gggactcaat cagacttccg agtgaaatgt tattgtcggg cagaattgct ac 352

<210> 10511

<211> 308
 <212> DNA
 <213> Glycine max

<400> 10511

taagcctata gaaggcaagc atatggcctt cttgatccac acgcgacaat atcagaaacg 60
 agtgaagaac acttttgaca agaaggtacg cccgtgccgg ttcacogaat gggactcggc 120
 gctgaagaaa gtctccaag ctttgaaaga taccagaaga aagtgtgcc caaactatga 180
 tgggcctttc attgtaaaaa gggctttctc ccgagggggc ctgggtgctcg ccaacatgga 240
 ttactaggag ctaccttttc ccgtgaactt cgacgttgct aatcgatact acgcttaaca 300
 tctggggc 308

<210> 10512
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 10512

agcttgcac ctgagacttt ctttttgata taccacatg ttgcttatga gtacatggct 60
 aatggttcat tggataaatg gatattcaac aagaacaaag aggaatttca gggggattgg 120
 gatacaaggc ataacatagc acttgggaata gcaaaaggac tcgcttatct acatgaagat 180
 tgtgactcaa acattattca ttgtgacatt aaaccagaaa acgtgctcct agatgataat 240
 ttcagggtta aggtttctaa ttttggtttg gctaagctca tgaaacgtga acaaagacat 300
 gttttcacia cacttagacg cactataggg tatcttgac ctgagtggtat cacaactgt 360
 gccatatcag agaaaaatga tgttgatagc tatgggatgg tgttgctaga gatca 415

<210> 10513
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 10513

tgttacatat gttctcaaca ccaaacgtt tgttgatct agtaagcatg tctgcaagtt 60
 ggtcaccgga gttgacaaag tcaatgatga tttctcctga gagcaccttt tctctcacia 120
 agtgacaggc aatttctatt tggtagtct gctcatggaa gatcggattt gatgcaaccg 180

ggagagcaac ttgattgtcg cataatatct tgagtgtctc caattttagc tgggtggagaa 240
 tttgcctagc catgtaacct tggatgcaat agctgccata gcatgacact tagctttaac 300
 actggatata gcaaattggat tctgcttggt actc 334

<210> 10514
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10514

agcttagtgt ctngagtgtt tccttacttt aattgntgga gaagttgcct aagccatgta 60
 atttcgcatg caacttctgt catggtatag tattcaactt cagcgtgga tctcgcaact 120
 atattttgct tcttgcttct ccatgagatc aaattccctc caagcagaac acaatagcct 180
 gaggtagaac tcctgtccaa tcagcactag agtaacaaac aattttgaca ttgtcttcgt 240
 cttcatatag aaatccgtgg cctgggtgcgt tcttgatata tctgagaatg cgcattgacaa 300
 cattccaatg gctatcaciaa ggggcattga gcaattgact taacactctg caaaagtgat 360
 gtctgggtctg gtgacactga ggtaactgag tctgccaaca agtttgtgat atcttcttg 419

<210> 10515
 <211> 355
 <212> DNA
 <213> Glycine max
 <400> 10515

tttgcccaat tcgctgttga tctcgataat gcttctcaaa atcaattagc aagaggtcaa 60
 cgattgcgcy agttgcttaa acaatcccaa tcagctcctc ttaccgggga agaacagata 120
 ataactatct atactggaac gaatgggtat cttgattcat tagaaattgg acaggtaagg 180
 aaatttcttg ttgagttacg tgcttactta aacacgaata aacctcaatt caaagaaatc 240
 atatcttcta ccaagacatt cactggggaa gcagaagtcc ttttgaagga agctattcaa 300
 gaacagatgg aactctgttt actacaggaa caagtcgaaa aaaattgatt aatca 355

<210> 10516
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 10516

gcgggggaac gctagctccg atagaaaagt tatgaccatt tggattgcc aatagctgtc 60
atagaacaat ttccagcggt tggaaatgat atgcgccttg atcggacctc cgagggaaaa 120
gttttgacca cttgaattgc tctagagcct tcgttgatca atttcgagcg gcttgagata 180
ttatgcgcct gaattggacc tcctaattaa agctttgacc atttgcaatg ctcagagcg 240
ttgatagtcc aatcacccgc attttataag tgtatgcacc tgaattggat ccccgagtga 300
gaagtttgga ccattggaat tgaagaaaag gaatcactgc ttgatcttcg a 351

<210> 10517

<211> 226

<212> DNA

<213> Glycine max

<400> 10517

ttgcctcaca agttctctca gggaagggtg cgcaggggtc tcaactgctg gttgttttcg 60
gggctgttgt cgttgctgga ttggcggagg aatgtatggt ctgcttgggc catcacccat 120
ttggaaggaa cgaccctgct actcgtgttg ctgtcgaggg ctataccatc tgagattagg 180
gtgattcctc cccccaacgc tgcttctatt gctggagagg tgataa 226

<210> 10518

<211> 362

<212> DNA

<213> Glycine max

<400> 10518

ctggacttcc tgtgttttgg gaacctctcc ttctcaggt gtacccaaac ccaatcacct 60
ggttcaagca tgactttctt tctgcttttg gtggcttgcc ttgcatagct cgcatttttc 120
ttttcaattt gggccttcac ttgctcatgc aactttctca catactcagc tttagcctgg 180
gcatccttat gcttaaacad agcaatgtta ggcataaggca acaaatcaag aggagtcaaa 240
ggattaaatc catacactat ctcaaagtgt gaacaattag ttgtgctatg gacagcccg 300
ttataagcaa actcaacatg aggcaaacag gcttcccaag atttaagatt tttcttttaa 360
ac 362

<210> 10519
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 10519

agcttcaaga attatggcct catttaacta cttgtttctc gagggaaatt ctataaacag 60
 acctcccatc tttaatggac tgggttacca ctactagaaa acccgcatgc aaatctttat 120
 agaggcaata gatttaaata tttggaagc catagaacaa ggaccttatg ttccctctat 180
 aatagccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240
 attagtacaa tataatttaa aggccaaaaa tattattaca tctgccttag gaatagatga 300
 atactttagg gtttcaaatt gtaaaagtgc taaggatatg tgggatacac tacaagtaac 360
 acatgaaggc acaacagatg ttaaagatc taggataaac actttaattc gtgaatatga 420
 actt 424

<210> 10520
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 10520

agctttgaat ggaggctctg gtcttttgca gaaactgcat gttctgcata gtcatttgcc 60
 tcacaagttc ttcgaggga ggttgaggag gggctctaac tgttggttgt ttttggggct 120
 gttgtgttg ttggattggt ggaggaatgt atggctctgt tgggccagca gcattttgga 180
 aggaaggagc aggctactgt tgttgctgtt gagggctaga ccatctgaga ttagggatgat 240
 tcctccatcc aaggttgtat ctattgctgg agagggtgata attgttttgc tgaggttggt 300
 tttgctgttg aggttgagga ggtctattgt aaatgtttgc agcataagct tcaggcttct 360
 caattgctcc aggttgctgc atggaaggc aaaggctctgt atggcggtca gca 413

<210> 10521
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 10521

tgtgcctctt cacgtctgga atatgaatgt attttataga tccaaagacc cttagggtgct 60

ttgctgatgg cttcctcccg ttccaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatca gttgagtatg taaacagcag tgtaaactgc tttagcccag aatgtgttat 180
 gtacttgagc atcgatctac ccatctccat aactgagcaa ttctttctct ctgacactcc 240
 attttgttga ggaggata 258

<210> 10522
 <211> 344
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10522

taacaaaagg catgtgaagc ggggtggaatt tctagagcaa ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaattttta aaaattgtga aaaattttca gaaaatgggt tctttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaatnt 300
 gcttgtttgg gaagcacatg aaggagggtt aatggggcat ttg 344

<210> 10523
 <211> 306
 <212> DNA
 <213> Glycine max
 <400> 10523

tataccaaat tcaaacgaca ataactttat ttttgatgtc cgattgagtc ccgtaatata 60
 tcgagacgct aaaaattgga aacggaagct cgtagacaat tcaaacgaca ataacatttt 120
 actcgaatgt cctacagagt ccacgaatat attgagacgc tccaaattga aaacagatgc 180
 tcgtacaaa ttcaaacgac aataactctt tactcggatg tctgatagag tcccttaata 240
 tatagagatg ctccaaattg aaaacagagg ctcgtggcaa atttaataga caataacttt 300
 ctactc 306

<210> 10524
 <211> 482
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10524

tagtgtagtt aggaggtagc cttccctcga agtaaggcta gttatcttct tcctctccct 60
cgtgacctct gctcataaca cactgaggga tcaaaatgtc acaaaaatga ttatcaacat 120
gactattaaa cagatgagac caaaatgtca gaaagttttc attggactaa tatcccaaata 180
tgtgtttcat ttaaggggta aaatataatt aattttcatc ttttcccttt ttttatgggt 240
tcacttatta actataaaga ctaaaaggga taagtttgga aactatagag actaaatgag 300
taattaaacc tttnttattg ttacaagcat aacattacaa ttaataaaca ttntaaaaaa 360
taggaaagca agcttaagtt agaacaaaca taataataag cataatatng attaaaaaac 420
ataatttatt tgttgctcca gaaattctaa tgtgacaata tntccaaaat atgatattca 480
ac 482

<210> 10525

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10525

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tcaaatccgc tatgatcaac accccagttc tggcccttcc catattccat gaaccatatg 120
tcgtcgagac agatgcttca cgcactgcc a tgggggctgn gctctcttag caagggcacc 180
cattagcgtt cttcagcaag aacttcaacc ctcgcctgct taatgcgtca acctatgtga 240
gggaactcca tgctatcaca tncgcagtgc gcaaaaggag gcaatatctc ctcggcagct 300
cttcacgac caccacgac acaagagtct tcgcgagcgt atgactcagg tgattcaaac 360
gccagaacag cactatcacc ctttcaaata gctagggctt gatacacaat tcaatac 417

<210> 10526

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10526

ngctaacca tggaagctcc taatatctcc cactcttttt tgggtgtgcc attcttggat 60
 ggccttgatt ntctcggggt ccacttggac cccatttcta ctaattacaa accctaagaa 120
 aactatatta tcaacacaaa aggtacactt ctctatattt gcatagaggg tgtntttcct 180
 aaggactgaa agaagttgcc taagatgtcc taagtgatta tctaggctcc tactgtgtc 240
 taaaatatca tcaaaataaa aaactacaaa tctacctatg aaatccctta agacatgatg 300
 cataagcctc ataaaggtgc ttggtgcatt agtaagccca aaaggcataa ctacttctct 360
 atgcaaatat agagaagtgt acctntgtg tagataacta cttttcacac tactnttcaa 420
 tngaaacttc ataact 436

<210> 10527
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10527

agctntaata taaagaatta tataaatata atttctctta tcatatgtat taattataaa 60
 tcttcatatt atttaatata tattatgtc catattatat gacacgttaa aaagttatat 120
 aagtcaatag aaatatctta ttgtgcgggg aaatttgaac aaaataacat tgtttttact 180
 taaaaattgt caaaatcctt ttctctgtc ttattttttt tcttctatat ctgtattgtg 240
 gaaagtatta tgaaaattgt acgcaaaaat taaagattat aaaacttaaa cttccaatac 300
 ccgaaaaaaa agtctogaac ttccatcata ttcataggaa aaaaaactag taatatattc 360
 tagcattaaa aaaaggaaaa atgaagccaa aaaggaggaa gaatgtatat atattctaga 420
 tcactttcta tatgggatcc a 441

<210> 10528
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10528

ngccgccaca gagntttctg actatgtctt tgtgtggtgt aacatgtctc aaaaggagag 60
 agcaagaaat gaagagccaa tggttgatac atgggcggag atgaaaagga tcatgatgaa 120

gcggtatgtg ccagctagtt actcaaggga cttgaaattc aagctccaaa aactaaccga 180
aggcaacaaa ggggttgagg agtattttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
gattgaagaa gatgaggagg taactagctc gggtttcttaa tggtttgact aatgatatcc 300
gtgatattgt tgagttacag gagtntgttg aaatggatga tntgcttcac aaagcaatcc 360
aagtagagca acaat 375

<210> 10529
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10529

agctggtnrg atcaatatca agaaagttrrr cttatgtatt tattattctg ataatagttr 60
atagctttaga agttattata ttatatatat aacttataaa ctcgtagcgt ttttcttttt 120
cttccatttt tacattagta gtgtgataaa ctctattttt taataattct gtgcattatc 180
ctttctaact gttttaatac acatccctac tattattgaa ttttcataac atattcgatc 240
tttaciaaata taaagagtrrr aaggttaata caaaatctaa aactatagtr gcctaagagt 300
attntttttt atctactaac aaatagaatt tatactaaaa tttatataat gggcgaagca 360
tatgccttga gtccatgcta ttatatctat attatt 396

<210> 10530
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10530

agcttcatat gtttatgttt tctggccatt cacaccttat tattactatg cagntaccga 60
tcgtccagaa acagcanaag aagctaccaa gttcttcatt attctgaaac aatattccgt 120
caatgccgtg tgtgatattc ttgtttaaca agctcttgtr ttggttnttc ttttaataaaa 180
aaggaaagtr ttttgaactc ttggaaactg aaaagcatat tatcacatct ccaaacta 240
tgacttcaat caaattgata aaataaatat ttgattttga tttagttttt tagttaattn 300
taaaaatcttt cgtttntaa tttataaatc aattcttttt ttagtcttaa taatttttat 360

actttttcgt attatatatg cattccagtg ttagtcttat attatatctt caaatatctt 420
 caattatggt taaaataaaa tatgtgttcg tattatctct cataat 466

<210> 10531
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10531

aagctgcacc gatgaaacac agggaccacc gaggggggttc caaggagccg catgaaggcg 60
 tgttcgangt ccttgccctct nggatccctcg tccagctcgt gcacggttgg gttcacaccc 120
 atgccgcaga agagcctctg gatggcgtgg cacatgcagc acgtgctcac gctgaatatc 180
 accaccgcgc tctccgacgc cagcctttct atgcgctcca gcgggtcccc cactaccgcc 240
 gccgccgct tccgaggggc cggcacgtag ctccccacc acgccgccgc cgctgcttgg 300
 taatgcattc tcagaagaat tntatgtgat gaaagaatga cagcaaaaat gtatgataat 360
 gagagtgaga atgtagtggg tttggcttgg tttgtttgtg tg 402

<210> 10532
 <211> 488
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10532

agcttaaata taattataac agagaagaga gactgattat caataactaa cttaactaac 60
 taatcataat ggactaatta agctaaacta actatggtaa taattctaac taaaactggt 120
 tgtaatactc cccctcaagt taggtacata gatgtctaga aggcctaact tggacaaaaa 180
 aaagagaatt tacagtgagg caatacctta gtgaagatgt agcaagttgt tgatgagtag 240
 ataagtgtac cagcttgata aaaccagagt gcacatattg ccttatgaaa tgacaattag 300
 tatctatgtg cttagaccta tcatttgaag ttggattntc agtcaatgca atagctgatt 360
 taaattntat canaaaataa attaaaataa anatgtattt aagccttaca atttccaaca 420
 agttttgaac taaatatgan agctatccta nattcattac ttcttatatt ctattataag 480
 tgtcatat 488

<210> 10533
 <211> 203
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10533

agcttatata tatcgatagc ctcgaaatta aacatcgta actctcacga aattcaaata 60
 gtcataactn ttcacacgga tgtccgattc gggcgcataa tatgtcgaga ggctcgtaat 120
 taaacaacgc aagctcttga gagattagac tggataact tttcacaccg aagctctcgt 180
 gaaagtcaaa tggacataac ttt 203

<210> 10534
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10534

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 agttatgggc gtctcaatnt gtcagagct tctgttctaa aatttgagcg tctctaaata 120
 ttacgggact caataagaca tctgagtaaa aagttattgt agtttgaatn tgctacgagc 180
 tctcgttttc aacttgagc gtctcgatat ataacgggac tcaatcggac atccgtgtat 240
 aaagttattg tcgtttgaat atgctacgag cttcagtttt caatttggag agtctcgata 300
 tattactgga ctcaatcaga catccgagta aaaagtt 337

<210> 10535
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10535

agctttagtc aatatcaaac gagaataact ttatacacgg atgtccgaat gagtctcgta 60
 atatatcgat acgctccaaa ttgaanacat aagcccgtag acaattcaaa ggacaataac 120
 tttttactcg gatgtccgat agagtctcgt aatataatgg gacctccaaa ttgaaaatgg 180

aagctcctat caaattcaaa cgacaataac tntntgctcg gatgtccgat tgagtcccg 240
aatatatcga gatgctcgaa attgaggaca caagctctga acaatattga acgacaataa 300
atttattctc ggatgttcta ttgagtcccg taatatatcg tgctactcca gattgaaaat 360
ggaagctcgt aggaaattca aacg 384

<210> 10536
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10536

agcttgaaga aaagactata tgaggtatct tccttgtgta tagcaatata tctaagggct 60
actgtgtcta caacttgcaa gctaagaaac tcgtcatcag tcgagatggt gaagttgatg 120
agtacgcttc ttggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
aactacctca agaagaagct gaggaagaag acccaggtga accacacaac aaaaagatca 240
agatctatca tcaccagagt ctactccaag acgagtaaga tctttggtga acatatatga 300
aacttgtaac ttggccatac ttgaacctgg aagctntgaa gaagcgtcac agcatgaagt 360
atgggtcaag gcaatggaag aagagatata gatgatcgag aacaacaaca catgggaggt 420
agtaaactcg 429

<210> 10537
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10537

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tccagctcca agagttgtaa ctntcttnt tccctgata tagcctcatc aaaattcaga 120
aatttcaaag cccggtatgc cttaagctct atttccaccg gtaagtggca ggcttttcca 180
taaacaattt ggaacagaga caggcctata ggggtcttga agacagttct gtaggcccac 240
agtgcacat ccagtttgct tgaccagtcc ttccaagtgg aagccacagt tttctccaat 300
attttcttca attccttggg ggaaacttca gctnnggccca tttttttgtg ggtgataagg 360

tgaggccact ntgtgtgtgg catgatagtg gcttagcacc tttngcagtt atgctgggca 420
 aaaataagaa gccgcatcac ttat 444

<210> 10538
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10538

gaagaatagc tctcanactt gtctccttgc aaaggaactt cctgttgggg gtgatcaang 60
 gcataagaaa atcccttggg tcaaattgga agtaatatgt ctccctaagg aggatggggg 120
 tcttgggggc aaagatatct ccaaattcaa tacagctttg atgggtagat gggatatgggc 180
 tctatcttct aatcataatc agctgtgggc caaaatttta ttgtcaaat acgggggatg 240
 gtctgatctt agtagtggga gggataaatc ttggcattct caatggtgga gggaccttcg 300
 aaagatatat caacaacctg agctcagtat tattcaccag caaatggtat ggaaggtggg 360
 aggaggggaa aaaataaatt ctggacagat attggtt 397

<210> 10539
 <211> 393
 <212> DNA
 <213> Glycine max
 <400> 10539

tgacttgccc aatcttaaga gagaattttt tcaacaaggc gtaaagtfff tgatgatata 60
 tgctctctca ttgtagatag tggttcatgt tgcaattggt gcagcacaag attagtctct 120
 aagttgagcc ttgtatcac tccccatcca aagccttaca aacttcaatg gctcgatgag 180
 caaggtgaga ggataatcaa tcaacaagtg aaagtgcctt tctccattgg aagatataag 240
 gatgaagtga tttgcatgt agttcctatg gaggcaggac accttctctt atgtaggcca 300
 tgtcaatatg atatgaatat catctataat ggccgaaata tgagataccc tcagcccctg 360
 gaataaagtt gtgtacatcc taacatttca cag 393

<210> 10540
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10540

ctggaactat cttacatgga cttgatgggtg tctatgcaag tngaaagcct nggacgaaag 60
aagtatgcct atgtgggtgt ggatgatttc tccagattta cctgngtcaa ctttatcaga 120
gagaaatcat acacctctgc aactgtcaag cactttcaca tctttggaag tccatgttac 180
attctggcng atagagagca aatgagaaag atggatccca agaacgatgc acgaatattc 240
ctgcgatact ctacaaacag cagagcatat agagtatt 278

<210> 10541
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10541

gcttgaacac anaattggag atgaaagatc tatgggtcatc taggaggata ctggggattg 60
atattcatag ggataaagca aagggtgaac tattcttgtc ccaaagcaat tacctcaaaa 120
aagtgggtgga gaggttttagg atgcatcaaa gcaaacctat tagcacacca cttgggtcatc 180
atacaaagct atctgttatt caagcactag aaatagctga agagaggtct aaaatgaatc 240
acacacccta tgccagtgggt gttggaagca taatgtatgg aatgggtttgc agcagacctg 300
acttatctca tgctgtaagt attataagta gattcatggg agatcctggc agcgcacact 360
aagaagctgt gaagtggaca ctaaggatc taaatggat 399

<210> 10542
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10542

tctngacaat gtgtcttgca tactngctnt gagagaggaa tatgggtgtct ttcattctgt 60
tcactaggag tcccagaaaa taagtcagct ctccaacaag actcatctca aattcagatt 120
gcatctgttg gacaaaatgt cgaagcatct cattcgacat ccttccaaac acaatgtcat 180
caacatatat ctgtgctatc atcaagtttt cagcatcttg cttgacaaaag agagtcttgt 240

caattcctcc cttcctatac ctttgctgag taaggaactc tgtagcctt tcataccaag 300
ctcttgagagc ttgcttcaat ccatagagag ccttcttgag cctgtataca tgatctggat 360
gag 363

<210> 10543
<211> 398
<212> DNA
<213> Glycine max

<400> 10543

agcttacctt gtgtgtcaag gtggtttgga ggttatgttc attgttttat ggaacgcaat 60
gatctctggg tttgctagac atgctcgtgc accataggct atgatcttat ttgagaaaat 120
gcagcaaaga ggctgttttc ctgatgatgt aacatatgtg tgtgtactaa atgcatgtag 180
tcatatgggt ttgcatgaag aaggacagaa atatcttgat ctcatgggtca gacagcacia 240
tctttcaccg agtgtccttc actactcatg tatgattgat attcttggtc gagcacgact 300
tggtcacaag gcttatgact tgatagaaag aatgccattt aatgcaacta gttctatgtg 360
gcgttcactt ctaggctctt gtaaaactta tggcaata 398

<210> 10544
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10544

cgtacttgta cttgctatng gcagaatata tgcattactt cttcctttcc aactcatcaa 60
cgtgagtggg cattntattc tttttctata attacggggg taataagatg aaacaatagg 120
gtgatgaaac gaataggggtg tcctctcact gcttgaagca tccaattttt atttttattt 180
ttatggtaga acatattatc atatcttgga agcatcagct gtgactcggc taaaagctac 240
cgcggtcttt gagccagatg ggcgccccaa atgcttgccg atgaactcac cggctaacat 300
gagctttccg agatcaacgt nggttttcac cccaagtcca ttcagcatgt acacaacatc 360
ttctgtagct acatttcctg aagctccctt ggcataagga cagccacctt gaccagcaac 420
tgaagaatca actgactga tccccatctg tttagaaaag aatcaataa cgtccattaa 480
taacact 487

<210> 10545
 <211> 464
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10545

agcttaacat cagaccactt ccagggtgct ggaactactt cacatggact tgatggggcc 60
 tatgcaagtt gaaagccttg gaggaagag gtatgcctat gttgctgtgg atgatttctc 120
 cagatttacc tgcgtcaact ttatcagaga gaaatcagac acctttgaat attcaaagag 180
 ttgagtctaa gacttcaaag agaagaagac tgtgtcatca agagaaatac gagtgaccat 240
 ggcagagagt ttgaaaacag caagtttact gaattctgca catctgaagg cattactcat 300
 gagttctctg cagccatcac accacaacan aatggcatag ttgaaaggaa aaataggact 360
 ttgcaagaag ctgctagggt catgcttcat gccaaagaac ttccctataa tctctgggct 420
 gaagccatga acacagcatg ctatatccac aacagagtca cact 464

<210> 10546
 <211> 407
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10546

ctcgagatat tcaaattggc ataactnttc acttgcattg ntgattctcg cgcattcgtg 60
 atcgagacgc tagaaataga acaacggaag ctctcgagaa attcaaattg ttataacttt 120
 tcaactcgcat gtccgattca agcgtatata atattgagac gctcgaaatt gaacaacgaa 180
 agctctogag aaatctaaat ggtcataacc ttctactcgg atttccgatt caggtgcata 240
 acatatcgag acgctaaaaa ttgaacaacg gaagctctcg agatattcaa atggtcataa 300
 ctttttactc ggatgtccga ttcaggcgca cagcgtatcg agacgctaga aattaaacaa 360
 tggaagctct cgaganatgc aaatgggtcat aacctttcac tcgcatg 407

<210> 10547
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10547

ctcaagagcc aagagagacc agtctatggt tgaaggcatg atattgttag acaagttgaa 60
gaattgtggt tggtagcaga tgtgtgcatc cctccgaaat tcaaggtacc atattttgat 120
agatacaagg ggactacttg ccccaaaaat cacttgaaaa tgtattgccg gaaaatgggg 180
atgtattcta gggacaagaa gctattgatg catttcttcc aatatagttt ggccagagca 240
gtggtcatct ggtataccaa tctggaagct tctcgcatcc actcatggaa agatntgatt 300
actgctttca ttaggcagta ctaatataac actgacatgg ctcccgatag aaccagcta 360
tagaatatg 369

<210> 10548
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10548

taagcttaac atcagaccac ttacagggtg ctggaacttc ttacatggac ttgatggngc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgngtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt angagtgacc 240
atggcagaga gtttgaaaac ggcaagttta ctgaattctg cacatctgaa ggcactcactc 300
atgagttctc tgcagccatc acaccacaac aaaatggcat agttgaaagg aaaaacagga 360
ctttgcaaga agctgccagg gtcatgcttc atgccaaaga acttccctat aatctctggg 420
ctgaagccat gaacacagca tgctatatcc acaacagagt cacactta 468

<210> 10549
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10549

ctgagcanat acaaacgacg cataactttt actctgatgt ctaattgagg cgcgtaatat 60

atcgagacgc tcgacaatga atgttgaagc tctgagccaa tacaaacgac aatcactttt 120
tactcggatg tctgattgag tcccgtaca tatcgagacg ctcgaaattg aatgttgaag 180
ctctgagcca attcatacga caatatactt ttactcggat gtctgattga gtcccgtaac 240
atatcgagac gctcgaaatt gaatgttgaa tctctgagcc aactcaaacg accataactt 300
ttttctcgga tgtctgatng agtcccgtaa catatcgaga c 341

<210> 10550
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10550

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aaatctgcac ctgtcgccag actctgtagt ttatgctcct ctaccgacca ccacacagaa 120
ccttgccctt ttgtgcaaca atctgaagca attgaacagc cttaaagctta tgctgcaaac 180
atctacaata gacctcctca acctcagcag caaaatcagc cacaacagaa caattatgac 240
ctctcccgca acaggtacaa tcccaggtgg aggaggaatc atcccagcct tagatggctg 300
aatccttcac aacaacagca ataacaacaa cagccttatt ttcagaatgc tactggccca 360
agcagaccat acgttccttc accaatccag caacaacaac aacagcaaca accct 415

<210> 10551
<211> 396
<212> DNA
<213> Glycine max
<400> 10551

agcttgttct taatgagggg gattaggatt gactccatct tatgaaggat agattcccta 60
ctaaaaggaa atocaagctt atccctagag gggatggacc ttttcaggtt ttggagagga 120
tcaataacaa tgccatatagg ttggatctcc cagaagagta tggagtcagc accactttta 180
acatttctga ttttaattcct tttgaatgtg gagctgatat tgaggaggag gaactaacag 240
atttgaggtc atatcctcct caagggggag gggatgatga tatcctcctt aggaagggat 300
cagtcactag agccttgaga aagaggctcc aagaggattg ggctagagct gctgaagaag 360
gccctatggt tctcatgaac ctcaatgtat atttat 396

<210> 10552
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10552

taacactgta tatngatttc tttagttggc atactatgtg ttcctttccc tcaactgaga 60
 accccattgg ttggtccata caaacattct cctctaaatc tccattaaga aaggcgattt 120
 tcacatccat ctgatgtagc tctaagtcac aatggggcac taatgccatg attatccnga 180
 aagaatnctt tcgtgagacc gatgaaaaca tctctntata atcaatgtca tctntttgag 240
 taaatccctt agcaacaaat ctagcctttg tacattcaag gtgccatgag agtcacgggt 300
 ggtcttgaag acccacttac aaccaactct tctacaatcc tttggtaatt ctacaanggt 360
 ccaaacacca ttatgttcca tggaatttat ct 392

<210> 10553
 <211> 264
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10553

tgaaattcat caaagcctct tggagctcac tgaacgaaga tgtcgaaaga tttcttanga 60
 agcttcatgt taatggagtg ttccctagag gtcgcaatgc atcaatcatc accttgatac 120
 ctaagattga ggatccacaa aatctggggg atcttaggtc catttcactg gtaggatgta 180
 tgtataaaat ccttgctaaa ttcttgcacg aataactaaa tgtgctttgg tagtgtgatt 240
 gacaaaaagc aaatcgctt cttg 264

<210> 10554
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10554

tcagatggga caattagcta ctcaatngaa tcaacaacag tcccagaatt ctgacaagct 60

gccttctcaa gctgtccaaa acctcaaaaa tgtcagtgcc atttcattga ggtcgggaaa 120
gcagtgtcaa ggacctcaac ccgtagcacc ttctcatct gcaaataaac ctgccaaact 180
tcaactctatt ccagaaaaag gtgatgacaa aaatctacct aacaatttct gtgcaggtga 240
atcttcttcc acaggtaatt ctgatttgca gaagcagcac attccccctc ttccattccc 300
tccaagagca gtttccaaca aataaatgga agaggcagag aaagagatct tggaaacgtc 360
tagaatagta gagggtaaca tacctctgtt ggatgcaata aagcaaattc caagatatgc 420
caaattcttg aaggagctgt gcactaat 448

<210> 10555

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10555

agcttctgga aagaactatt tggaatgtag atttacattc tatattaggt gcagaaagca 60
aatatagagg tgcaagaagc aattgcctgc ataaaaacat tatgtgtagc ccactatacc 120
actctattca gcctatctaa ggagagtatt cccctgggga atactattca cccctacact 180
aattgttggt gacccccaac atcattggga aattaccctt ctacccccca acttcaaaat 240
tccttatccc tccctcttcc ctcttccttc ccttctctag cacctcttcc ccttctctct 300
tctccatctt tgtcccaaac cgacgcctct taccctcttc tttctcttcc tcttatcgat 360
gcccttctct tntttcttcc tcttcttctc tttctcttcc ccaacccaac ctaaacgaac 420
ccttttctct cttctcttc 439

<210> 10556

<211> 502

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10556

gtcacctgcg gcatgcaagc ttccaagagt ngaagaggcg gttgacaaca gctccagtgt 60
taattntgcc cgaccctaag agaccatttg aagtgtattg cgatgcaagc gggcaaggct 120
tgtggtgtgt gttaatgcaa gagggaagag tagtggttta tgcttcacgc caattgcgct 180

ctcatgaagt taactatccg acccatgatt tggaactagc agctgtgggc tttgccttga 240
agatttggag gcattattta tacggtactc gtnnttgaag ttttagtgat cacaagagtc 300
tcaaatactt gttcgataag aaggaactca acatgaggca acgaagatgg atggagttca 360
tcaaggatta tgattgtggc ctttcctacc atccaggaaa ggctaattgt gtagccgacg 420
cgctaagccg gaagtcctta catgtngcga actatgatga gttggagcag agattgatag 480
aggaatttcg agatctgaat ct 502

<210> 10557
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10557

taatcaagat aagtatgata agggtttctc aaatattgaa tagcacatga ttnttctcaa 60
aatatgttta ccaaagagtt tttactctct ggtaatcgat taccatattg ttgtaatcga 120
ttaccagtag caaaatggat ttgaaaaagt tgtcaaattg aatttacaac gttccaatta 180
ttttcaaaaa gctgtaatcg attacacata tttggtaatc gattactagt gcctttgaac 240
attgaaattc aaattcaaat gtgaagagtc acatcttttc acataaaagc tttgtgtaat 300
cgaatacact gatttcgtaa tcgattacca gtgactgttt ctgaataaat caaaagatgt 360
aactcttcaa aagggttttg aacttttcaa 390

<210> 10558
<211> 475
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10558

tatcgtctta tatggacgta tcacttaaaa cacagacgct catatacaga tcatattctg 60
ataatacata tatagataca acttttatca tttgtatttg tttgcatcta atacaaataa 120
ttaggagtc tttttctct ttaagacata aatgtatttt gagttaacat ttaccatttn 180
ttataagaga aaaattttaa aattatcatc cacaaattta agataataag ttattaacaa 240
taaattttaa aatattaaat atattattnt atgtcatttg aacaaaacac ttcaagaact 300

aaagcaaat tataaatatg ataaaatgtg tctaaaataa actaacanaa accaaaatat 360
agaatttata agaactatta aaagtaataa tttataagac caaaatanaa acaataaata 420
caggttaaaa tggtattaaa ctttatatat tgcattgcatt taataagaga aaaaa 475

<210> 10559

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10559

tcaagaaat gatggcctca gcanattcct tatttctgga agcatatcca tagaanaacc 60
tagagataga tggctctgaag aggatagaaa acgagtacaa tacaacttaa aagacaaaaa 120
cataataaca tctgccctat gaatggatga atatttcagg gtttcaaatt gtaagagtgc 180
taaagaaatg tgggacactc ttcgattaac acatgaagga actacagatg ttaaagatct 240
atgataaatg cactaactca tgagtatgaa ttatntagaa tgaatgcaaa tgaaaatatt 300
cagagtatgc aaaagagatt tacacatata gtaaatcatc tagcagcctt aggcaaagaa 360
tttcaaatg aggatcttat aaacaagggtg ttaagatggt taagtagaga atggcaccca 420
aagtaactgc tattctgaat caagagattg tctacatg 458

<210> 10560

<211> 388

<212> DNA

<213> Glycine max

<400> 10560

agcttcgagc tcagcaggag ctacttgga ttctctgtat ttgaccaatt cctgaaaccg 60
atcaacaatg aagagttcat tatcatcatc aatgaaacca atatctcctg tgtgtaacca 120
tacttctctg cctatagtac tctctgtagc ctctgcgtca tttagatata ctgaccaacc 180
agaaattgaa catatcaaga aactgtgatg gtgtttgttt gtaacatatt acctttgaca 240
agacttacgc taattaaaat tatgcttgcg gagtcttaca tttattcttg tataatcaat 300
tacacattct ataaccatt aataggcagg tgctcgctga tcagctactt cataaactgt 360
ctattttcat gctataatga tgtgactc 388

<210> 10561
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10561

tataagaatt ccaaattcta caaggagaag accaagaagt tccatgatag tttgatagct 60
aagaaggact tcgtggttgg acaaaaagtt ttattgtaca actctatgct cgaactcatg 120
agtggtaagt tgaggtcaaa gtggattggc ccttttgtgg taactaatgt ttttacttat 180
ggtagcagntg agatcaaaaag tgaatccaca gataagggtc tcaagggtcaa tggacaccgg 240
ctaagactat tcctcacaaa tccttcctta tatgatgtan gtggggagga gacctcctta 300
cttcacccta cttctctgtc gccatgactt nacggagttt ctttntctgt ctccttcttt 360
actattattg cactcgtcca aatttattga ttgttttgaa tgggtcttaat cttatga 417

<210> 10562
<211> 419
<212> DNA
<213> Glycine max

<400> 10562

ctctatgtgt ccttaatgga ggaatctaata cactattaga aaatactctt tcagcatcgg 60
ttatttagaa cattctacat cggttctaaa accgactttg aaagtgccga tgttgaatgt 120
atcaatgtta atatcggttt tgtaaaactg atgttaacat atatatgaca acatcggttc 180
tctgaatacc cgatgttaaa cacaatgaac aaaaaaaaaa aaagtgtacg catgatgaac 240
gttgacatcg gttttgcagt acaaccgatg ttaatatgtt atattaacat cggttggtta 300
gaaaaaccga tgttaatgta atatatcaag atcgggtctc tacgataacc gatggtaata 360
tattccatta acatcagtta ttcttaaaaa ccgatgacaa cggttatgat gcatacact 419

<210> 10563
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10563

agcttaagct ccttcaactg cacaaggctc ttaatanttg aagagtatcc ttgtggaacc 60

tttactcgac gaagacactg acaaaaaactt atcttctcct tcttggacaa agtatggcag 120
gttgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180
atatcagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240
agcgtcctaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaattgtcaa gatcacacca gtatggaaga tcaaagaaaa tggacctctt cttccatatg 360
caactctgac tnttatcctt ctcttgggtc ttcctaaata cagtattcag gtgctgaacc 420
tgctgatata cctactcact agtcaacggt atcggatgaat atcatg 466

<210> 10564

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10564

tcaagaatta tggcctcatc aaactacttg tttcccgagg aaattctata aatagacctc 60
ccatctntaa tggagtgggt taccactatt ggaaaaattg gaaaaccgcg atgcaaatat 120
ttatagaggc aatagattta aatatctggg aagccataga acaaggacct tatgttcctt 180
ctatagtggc cggttgtgca acaatagaaa aacctagagc agattggatt gaggaagaaa 240
gaagattagt acaatataat ttaaaggcca taaatattat tacatctgcc ctaggaatag 300
atgaatactt tagggtttca aattgtaaaa gtgctaagga tatgtgggat accctacaag 360
taacacatga aggcacaaca natgttaaaa gatctaggat aaacacatta actcgtg 417

<210> 10565

<211> 307

<212> DNA

<213> Glycine max

<400> 10565

acagtgacaa cgattgggct agagataaat atgatcggta agtaccaat ggatttgtgt 60
ttttcataag gaacacaacg ttcaacttga tgtcaaaaaa gtttccaata gtcactcttt 120
cgacttgtga agcagaaaac ataacagctg cttcatgtgt tttccatgta gattggctca 180
cgaatatgtt aaaagagttg ggcattgtcac aagaagagac aaccaagatt tttgtggata 240

ataagtcaac cattgctcta gcaaagaatc cagtgttcca tgatcgaagc aaacatattg 300

atacatg 307

<210> 10566

<211> 295

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10566

aagaaagcac tttatgggtt aaaaaaagca cctatgggtt ggtatgaaag attaagtaaa 60

ttcctattag taaaaaaatt cactcgaggg aaggtagata tcaccttatt cataaagaag 120

aaggataatg atatcttatc ggtacaaatt tatgttgatg atataatctt tggatctact 180

aatgaatcta tgtgcaagga gttttctatt gacatgcaaa gttagtttga gatgtccatg 240

atgggtgaag ttaaatactt tcttggacta canatcanna caacaaatga tggga 295

<210> 10567

<211> 438

<212> DNA

<213> Glycine max

<400> 10567

agctatatca ggaagttgat ggaattcttt gatgacatat cttttcatca cattctaaga 60

gaggaaaatc agatggctga cgcccttgcc actctagcgt ccatgttcaa agtaagcccg 120

cacggagatt tgtcgtacat caaatttaga tgccgtagtg agcctgcaca ttgcaatttg 180

atagaagaag aggaggatgg taagccttgg aacttcgata tcaaacgata catcgaagac 240

aaggaatacc cgcttgaggc ctctgacaac gacaaaagga cattacgaag gttggcggcc 300

ggtttcctcc ttagtggaat tatctgttac aagagaaacc atgacatggt gttgcttcgg 360

tgtgtcgatg taagagaggc cgaacaaatg ctaatagagg tgcacgaagg ggtcctttgt 420

atgcatgcca atggacat 438

<210> 10568

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10568

agcttgccac catggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aatgaagag ccaatgggtg atacatgggt ggagatgaaa aggatcatga 120
caaagcggta tgtgccggct agttactcaa gggatttgaa attcaagcgc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggtgtgctca tgattcaagc 240
aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300
tatccgtgat attgttgagc tgcaggagtt tgttgaaatg gatgaattgc ttcacaaaagc 360
aatccaagta gagcaacaat 380

<210> 10569

<211> 334

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10569

gtaagccaat tcatacgaca ataactttnt actcggatgt ctgattgagt cccgtaatat 60
aacgaaacgc tcgaaattca atgtttaagc tttgagccaa ttctaacgat aataacttat 120
tactcggatg tccgattgag tctcgtaata tatcgacacg ctcgaaattg aatgttgaag 180
ctctgagcct attcaaacia caataacggt ttactcggat gtccgattca gtgacgtaat 240
atatcgggac gctcggaatt gaatgttgaa cctctgagcc aactcacacg acaataacat 300
tttactcgga tgtctgnatg agtcccgaaa tata 334

<210> 10570

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10570

agcttaaaca ttcaatttcg agcttctcgt tatattacgg gacacaatca gacatccgag 60
taaaaagtta ttgtcgtttg aattggctcg taggttcaat attcaatttc aagcgtctcg 120
atatattacc ggactcaatc agacatctaa gtaaaaagtt attatcgttt gaattggctc 180
ataggttcaa cattcaactt cgagcgtctc gatatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgccgtt tgaattggct catagggttc aacattcaat tcgagcgtct 300
cgatatatta caggactcaa tcagacatcc gagtaaaaag ttattgtcgt ttgagttggc 360
tcagaggttc aacattcaan ttcgagcctc ccgatatatt acggcactga atcggacatc 420
cgag 424

<210> 10571
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10571

agcttcaacc aaggggagat ggaccatttt tagtgcttga aagaatcaat gacaatgctt 60
acaagttga gctgcccggt gagtataatg ttaattccac cttcaatgtc tctgatttat 120
ctctttttga tgcagatgga gaatccgatt ngaggacaaa tccttctcaa gagggagaga 180
atgatgagga catgttcaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgtg tccatactat 300
ttgaatacaa gcccaagttt caaggagaaa agtccaaggc tgtgagttgt atcatggccc 360
anatggagga ggactaaatg acacca 386

<210> 10572
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10572

tcccaagttt ttaagttctt cctcanaact gtcctaagca aagttcccaa agtcctatta 60
acaacttccg tttgcccacg ggtttgtggg tacaagtggg tgaaaataac aatgtagtgc 120
ccaacttgct ccacaaagtc ctccaaaaat ggcttaggaa cttagagtcc ctatcactaa 180
caatgtctct tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcagccacat 240
gggaagcacc atcaattttt ttacatggaa taaaatgagc catttttagaa aacctatcaa 300
caaccacaaa aatggaatct ctaccattgc ttgggttttg cagccccaaa acaaaatcca 360
tggataaatc aatccaagga tactccgaaa ttggcaatgg agtatacaat ccatg 415

<210> 10573
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 10573

tgtagcatat tcaaacgacc ataactttta actcggatgt ctgattgagg cccgtaatat 60
 atcgagacac tcgagattga caacacaagc tctgaggaaa tgcaaacgac tataactttt 120
 tactcggatg tctgattgtg tcccgtagta tatcgtgacg ctcgaaattg aaaacataag 180
 gtctgagcaa attcaaacga caataacttt ttactcagat gtccgattga gtcccgtaat 240
 atatcgagat gcttcaaatt gaaaatagta gtccttagca aattcaaac ataataaatt 300
 ttactcogga tgtccgattg agtcccgtag tgtatcgaga cactcgaaat cgaaaacaga 360
 agctctgagc aaattcaaac gacattaact tttttctcgg atgtacgatt gtgtcactta 420
 gtatatctag acgctcgcaa ctgaaaa 447

<210> 10574
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10574

cgacctgtcg gcatgcaagc tttcattttc attataagcg tctctatata ttacgggact 60
 caatcggaca ttcgagaaaa atgttattat cgttagaatn tgctcagagc ttccgttttc 120
 aattacgagt gtctcgatat attatgggat ttattcggac atccgagtaa aaagttattg 180
 tcgtttgatt ttggtcagag cttctgttct gaattttgag cgtgttgata tactatggat 240
 cacaatcgga cattcgaata aaaagttatc atcgntctaa tttgcttaga gcttttgtga 300
 tgtgaacctg aggagaagca gatcgtttga tacatgctac ggaggttttg gtgatgccac 360
 ttccaaagag ggaagaatag tcagggtaga cgccactttc aatg 404

<210> 10575
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 10575

agcttctata ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
ctatcttact ttntacttaa gttatgaatt cccttaataa caatcttctt aaatattaat 180
tcaaatgaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
agagaaaatg caaactcagt tttatactgg ttgggccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta acttgtaaact tccttttaca agttctaaac 360
aca 363

<210> 10576

<211> 361

<212> DNA

<213> Glycine max

<400> 10576

tgtaatcgat tacatcattt gtgtaatcga ttactagtca caaaaatttt tatctcaagt 60
ttgaagagtc acaactcttc agaaactaac tgtgtaatcg attaccacat ctatgtaatc 120
gattactatt aagaaatttt ctaagataac tctcaagagt cacaactgtt caagaagttg 180
ttgaatgacc attatagacc tattactagg tgacttggga tacgaaagtc cttagagttt 240
ttctgaataa cattgactta tcctctcaaa accaaattgt cttatcactc tcacaatatt 300
ccttgaccca aacacgtacg aattcgataa cgaatctcga tcgatcttca tttgtatgtc 360
a 361

<210> 10577

<211> 341

<212> DNA

<213> Glycine max

<400> 10577

taataaatct atatatgggtg tatagcaagc ttcccgttag tggtagctta agtgtcatgg 60
gataatttct tcatttgggt ctgatgataa ccccatggat caatgcatat accacaaggt 120
cagtgggagt aaaatatgtt ttcttgtttt atatgtagat gatattttac ttgcagccaa 180
cgatcggagt ttgctacatg aggtgaaaca atatttctct aagaattttg acatgaagga 240

tatgggtgat gcatcttatg tcatcgccat taagattcat agagatagat ctcgaggtat 300
 tttgggtcta tcataggaaa catatattaa caaaattcta g 341

<210> 10578
 <211> 322
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10578

tctgataagg taaagatgat taggtaaaag ttgaaggtat cacaagatag acataaaagt 60
 tactatgata aaaggagaaa actcgaatct caagaagaag atgtgttttt gaaagttaca 120
 ttgataactg ggttgccgga acccttaagt tccgaaaact ctctcctaaa ttcattgggc 180
 cctaccaaat tcttaaaaga gttgattcca ttgcatatca aattgtnta cctccaaatc 240
 ttcacaatgt gttccacggt tctcaacttt tgaaatatgt ntttgattct tcccgtgcga 300
 ttgaacctga tgtagtaca tt 322

<210> 10579
 <211> 142
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10579

tctcgatata ttatgcgcct gaatctganc cccaattgaa aagttatgac catttgaatt 60
 gctcgtgagc ttccgttgtt caatttcgag cgtctcgata tattatgcgc atgaatcgga 120
 cctncaagtg aaagttatga cc 142

<210> 10580
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 10580

tgaatccgcg gccacctcat ggacttctct aacaacaata acatcattta ctgcactgaa 60
 ttgttgggag ttggaagcca tcttcataat caaattccta gttcagcaa cggttatatc 120
 accaagagct ccaccactgg tagcatcaat catactccta tccatgttgc taagtacctc 180

atagaaatat cgaaaaacga gttgtcaga aatctggtgc gggggatagc ttgcacacaa 240
 tttcttgaat ctttcccagt actcatacaa gctttctcca ctaagttgcc tgatgcttga 300
 aatgtcattt ctgatggcag tggtcctaga tgcacggaag aatatctcca agaaccacct 360
 c 361

<210> 10581
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10581

cgtgacacta tattgtactc attctagtca canaaggaaa caagttaaaa attattttca 60
 aagtaaaaac gttgttttcta cttcaaaaact ctttgaacta cttcacatag acttatttgg 120
 tccttccaga actatgagtt tgggtggtaa ttactatggc ttagtaatta tagatgatta 180
 ttcaagactt tgcttttgaa aaccaaaaat gaagcttttg atgcttttcg caaacttgcc 240
 aagggttattc aaaatgaaaa aggtcttaac attgtttcaa ttagaagtga tcatggagat 300
 gaatttcaaa atgagtcctt tgaaaagttt tatgaagaaa atggaattca acacaatttt 360
 ttttcccaa gaacacctca acaaaatggg gttgtggaga ggaaaaatag atcccttgaa 420
 gaaggagtta gaactcttct aaatgaaac 449

<210> 10582
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10582

gcttgtgcat ncatacctng atgaggatgt cccatatgtt cttaaaaactg gactgattca 60
 tttgcttcca aagtctcatg gccttgcagg tgaagaccg caciaacatt tgaaagaatt 120
 tcacattgtc tgctccacca tgaaagcccc agatgtccaa gaggatcaca tatttctgaa 180
 ggctnttctt cattcattat agggagtggc aaaggactgg ctgtattacc ttgctccaag 240
 gtccatcacg agctgggatg accttaagag agtattctta gaanaaattt tccctgcttc 300
 caggaccaca accatcagga aggatatctc aggtattaga caactcagtg gagagagcct 360

gtatgagtac tgggagagat t

381

<210> 10583

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10583

ttcaaaagtt ttaagcattg gatgattctt ataaagaatt agacggtnaa gtgtcttaag 60

tttaactata gcttggaatt ctgttctact gaattcaatg aattctatgg agatgaaggc 120

atagcgagac aacataatgt atgctatact ccacaacaaa atggagaata tgaaggaatg 180

aataagacct tgttggaag gatgagatgc atgctatcta attcatgatt gaatataagt 240

ttctaagttg aggcaatcaa cacaacatgc tatctcgtga attggcaacc aacactacca 300

caaacttcaa caccctatt gaggtatggt ttagaaaatt ggttgaatac tcaatgttga 360

gggaactgat tggacgagtc aaaaccattc gaagtagcct aaaaccacaa caccagaaa 420

gt 422

<210> 10584

<211> 401

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10584

agcttctata ctttatacaa gaataaagct ctggtaccgc ttgttaaaca agtggcctca 60

attatcttaa gaaagggggt tgaattaaaa tacaaaaact atccccttaa ttaaaaattt 120

aactttttta tattaaaaat gcaaccctta ttatgagtta ctctaagaac aattcanaac 180

aaacttcttt aaagcgaaat ataaacaata ataaataaaa gaagttaaag ggaagagaga 240

atacaaaactc aatttttata ctggttcagt cagccctat gcctacgtcc agtcccccaag 300

caacatgctt gagatttcca ctatcttgta taaagccttt tacaaagttt gaaccacaca 360

gtagcaaccc ttcccttggt ttcaaataac cttacaactt a 401

<210> 10585

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10585

tcttcaactc accaatgtca tctggtaatc tggacagact tacacaatct gagatgtcaa 60
gacagcttag cttgttaagc cctttaacag aatctggcat ctctaccaa tcagagcaag 120
aacatagcct tagcacttcc aaattctcca gcttcgcaat atcttgtggc aatgcagata 180
gcctgtgaca gttagtata ctaagcttct tcaatggggg gatgttactc agcccatcgg 240
gcaatttaac cagatcatta caatagtcaa tgctcatctc cacaagattt ggcatatgat 300
ctgagatttg gatagaacag ntttcaaaag cctgcctcgt attacacata tgaagggaca 360
attttcgcag attcttcaat atgc 384

<210> 10586

<211> 455

<212> DNA

<213> Glycine max

<400> 10586

tctgtaccgg gttcctctca gtcacctgcg gcatgcaagc ttgatacctt gcacacaagc 60
aaacactaag cataatatct ggttgacttg cagttaagta aagaagtga ccaatcatal 120
ctctatactt tgactcatcc attgatttac cgttttcatc taagtcaaga taagtcatg 180
ttgtcattgg tgttgatgct tctttgcaact ttttcatggt gaatttctta attagttatg 240
tacaatatat tgtttgacat aggaagggtc catgtttcat ttgcttgact tgaagtccaa 300
ggaagaagtt caattctccc atcatagaca tctcaaattc tttctgcatt agtactggaa 360
aattccatac acgaagtttc attagtagca ccaaagatta tatcatcaac atacatttgc 420
acaatgaaca actcatttgt taatctcttg ataac 455

<210> 10587

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10587

tgtgcattca atatcctgat aagggtgttc catatgttct caagactgga ctaatacatt 60

ngctgcccac gtttcatggt cttgcagggtg aagatcctca taagcatctt aaggagtcc 120
 atattgtttg ttccaccatg aagccgcccgg atgtccaaga atatcatatc tttctaaagg 180
 ctcttcctca ttctctggag ggagtggcaa aagattggct atactacctt gcccccaagt 240
 ctattttcag ttgggatgac cttaaagaggg tgttcttga gaaattattc cctgcata 300
 tgaccactgc catcagagaa gacatttagg catcangcaa cttactggag aaaccatgta 360
 tgagtactgt gaaagattc 379

<210> 10588
 <211> 326
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10588

gcttgtgacc atttgaataa ctcaagagct tccattgttc aattntgagc gtcttgatat 60
 attatgcgcc ttaatcggac ctgcgagtga aaagttatga ccatttgaat aactcaagag 120
 cttccattgt tcaatttcga gcgtctcgat atattatgtg cctgaatctg acctccgtgt 180
 gaaaagttat gaccatttga atttctcgag agcttccgtt gttcaatttc gagcgtctcg 240
 atatcttatg cgctgaatc ggacctctga gtgaaaagtt atgaccattt gaattactca 300
 agagcttcca ttgatcaatt acgagc 326

<210> 10589
 <211> 355
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10589

atgaatggag ggagagggag aggtagagaa naagcactaa atttatgcct canataaggt 60
 ctgaactntg aagtgttaatt ctcaaatgat caaagttgaa aaaatatata cacatgacct 120
 ttatttatag cctaagtgtc acaaaaaatt aaagggaaat ttgaacactt gaatttgaaa 180
 ttgaatttgt ggagccaaaa tttcacaaat tgttgtgtat cctacattta aagatgcctg 240
 ttttgcattg ggctttcttc aagatgataa ggaatatgtt gaagcaattt aagaagcaaa 300
 aaattgggggt acaggtcatt actttataaa actttttgct acaatgctaa tcaca 355

<210> 10590
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 10590

tgatgatcga tacaacagtc aacagctgat aaagagaaag cataatagca ctgcaacgat 60
 tcaacatgca ttgaaaagac acaagtttat tttccaccga cgctggtagt cttcgaacac 120
 attgacattt tgttgacagt aacataccat gacgagattg caaagcaagg ccatatatat 180
 aataacttgc atgggttggg aggggtatcac actctaatta agggcacttg cgtctgccac 240
 cgtgggtggt gagactggca taacagggac acacttcttg gttaccggaa gttcccggtg 300
 gcacgcagtt gcagcgtctg cagcaagttc cacatgctct gtgacacatg cgttgacgag 360
 atgctaaacg gcacctcgca gcacatgcag cattacaatc tgaaatcaat tcatcattca 420
 agttagtaat tagttc 436

<210> 10591
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 10591

ctttaacccg cttctaaatg atatgttcgg aatgcagttt aagaagcaat tatcaattta 60
 ataatgttct ttaaacaatgc aagacaaaat ttattgcaat aataaatgag ataaggaaaag 120
 agagaaaatgc caacttgatt tatactgggt cgaccacttc cgtgcctac gtccagtcct 180
 taagcaaccc acttgagatt tttcactctc tttgtaaaaa tcctattaca aagtctgaac 240
 cacacagggg caatccttcc cttgtgttca gcaattctta caacttaaga gaccctcggt 300
 cctttaatca atctctttga aaagatgaag aagacaaact ctctctttat gagaaagata 360
 ttac 364

<210> 10592
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10592

atgtgaagct cctgttntag cnttaccoga ttatactcat ccatttgaag ttgaatgtga 60
 tgctagtgga gttggcattg gggctgtttt gatacaaaac aaaaggccta tagcttattt 120
 ctccggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180
 cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaactact ttatatgtga 240
 ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300
 taaatggggt gaatttcttc aatcttttaa tttctcttca aaatacaagg atggtaagag 360
 taatgtgggtg gctgatgcac tttcaaggag gtatgctnta atttcaattc ttgaaactcg 420
 tttacttg 428

<210> 10593
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10593

ttngaatcag tggaaagagg tatggacttg tctgtggtcat ccactctaaa tggatatgtg 60
 tcatgttcct agctcacaag gatgagtcct agtgccctct ttaaattttg taaaagattt 120
 caaaatgata aaggagtatg cattacttca atcagaagag atcaaggggg agaatttgag 180
 aatgaaaatt ttcaactgtt ctatgatgaa aatgttattc ttaataattt ttcaactcct 240
 agaacatcaa tagaatgaaa tagttgaaag aaaaaacata tctttgcaag agatggccaa 300
 catcatgctc aatgataatt taacccttaa gcacttctag gctaaagcaa tgaataccac 360
 aacanaattt atataagggt aataacttaa aagactccat atgaattatg gaatgga 417

<210> 10594
 <211> 338
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10594

ntgggctaata tcaaacgaca attatccttt gctcggtatg tctgattgag tcccgtaata 60
 tattgagacg ctcgaaattg aattctgaac cttagagcta atgcaaacga caataacttt 120
 ttactcgat gtctgattga gtcccgtaat ctattgagac gctcgaaatt gaattctgaa 180

ccttagagct aattcaaacg acaataactt tttactcgga tgtctgattg aatcccgtga 240
 tacatcgaga cgctccaaat tgaatgttga agctcttagc atattcaaac gacaataact 300
 ttttactccg atgtctgatt ggagtcgaa tacatcga 338

<210> 10595
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10595

agctgcatga ttacatctcc ctctttctca agaaaattct ttaatatca tcaaaatctt 60
 catgatttac aaccctggat ggaggaatca ccctaattctc agatgggtcca gccctcagca 120
 acaacaacag cagcccgtc ctctctttca aaatgctgct ggcccaagca gaccatacat 180
 ttctncacca gtccaacaac aacaacaacc ccagaaacag ccaacagttg aggccctcc 240
 acaaccttcc ctggaagaac ttgtgaagca aatgactatt ccaaactgag cagttcaaca 300
 agagacccaaa gctttcattc agagcttgac ttatcaaagc ggacaattag ctacacaatt 360
 gaatcaacaa c 371

<210> 10596
 <211> 433
 <212> DNA
 <213> Glycine max
 <400> 10596

ctattcccaa tggcaaatca cataacaaat ttttaagata ctgagcctca ctagtagcag 60
 tatctaaagc aataatttct gtttccatgg tagaacgtgg aataatagtt tgtttagtag 120
 atttccatga tactgcacca ccagctaaag taaaaacata accacttgct gattttgttt 180
 catcagaata aaaaatccaa ttgcatcat taaaccctc aattactgta ggaaaacatg 240
 tataatgaat gccataatta atgggttcctt ttaaaataact ctttctaagc caatccaatg 300
 agaatgatta ggaatattat tataccttcc taatctacca actgcatata caatgccagg 360
 cctagagaag tttgtcaaat gcaaaaaaga accaataatt tgagaatatt tatatgaaga 420
 agttccttta ctc 433

<210> 10597
 <211> 402
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10597

 tgttgtatatt gctaagttct atgtcacaac attnttaatg ttccttgctt aataagcttc 60
 ttatatttag actttgttgt ttttttttta ttattagaag taatctatgt gtcataattag 120
 atgggttaga actaagtttc agttgtttat ataaataatg attgtttatg agtaaaaaat 180
 attttcttat tattcaaaga gataatttaa gagttattta aaattatatc attaaaataa 240
 aatatatgag ttgtttaatt ataatgtgat attgtagtaa ccaattaata tacgataaaa 300
 aaactcagaa taaattactt aaattatacc caatggaaat gctattgggtg gtattgcaat 360
 gatcttttta atcaaaatag agtaattata caaattatatt at 402

<210> 10598
 <211> 408
 <212> DNA
 <213> Glycine max

 <400> 10598

 gcttctgaat gctctttcaa gtacttttta agccaatcaa acgaaacctg cgtgcaccac 60
 aaattagata acgatatcaa tccatcagct aataattcta aagaggatat atattttttc 120
 ttgtgatgac tttgaagttc taactatatg tacacttact tgattttctg ccaaccccat 180
 ttgaataact cctgagggat tggctaattc agcatagggg ttctcatcat aggctttcca 240
 cccaccaaaa taacgggaat cttccccgtg agtttcataa actgcaactt ttgaaagctc 300
 cacacagggg tgetccatct caatacccat agctagctag cttcctggca aaagagttga 360
 ttactcaatt acagaaagca gacagctgct gtgagtaaca caaagata 408

<210> 10599
 <211> 339
 <212> DNA
 <213> Glycine max

 <400> 10599

 agcttcgcaa aatttatttt tctggaagac caattactaa gtctctccta actagatgat 60

tgagatgatg catgtttatg tgtgctgtcc tacgatgcc caaccaagaa tcatttatct 120
tacttaccaa acaactcagc tcatgaaatg atgcatgctc aatgtttaac atatagatat 180
tacctattct cttgccaaata tggacaacct cactagacgt agattcacca ataagataac 240
aattcttatt gaattcaatt ttgaagcctt tgtcacatag ttgactaatg ctcaggaggt 300
tatgttgtag tccatccaca tatagaacat tctatatct 339

<210> 10600
<211> 339
<212> DNA
<213> Glycine max
<400> 10600

agcttacaaa aaaagtcctt acaacaaaga ctactcaaaa tgcctgaaa tacaaggcta 60
aaatcctata ctactagaat ggccaaaaca caaggcccaa aagaaggaaa aacctattct 120
gatatttaca aaaaagagtg gatccaacct tgacctatgg gctcaaaaat ctaccttaag 180
gttcatgaga accctagggc attctttagt agctctagcc caatcctctt ggagtcttct 240
atccaatacc cttggggggg aggattgcat cacaatcctc atctcctcct ttctcggatt 300
gagttattaa ttgctcaaaa tcaacatccg ggtcctcag 339

<210> 10601
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10601

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ttaaactagt tntctagggt tctaaccata atatatgtat ttttcaaaac ttccatttca 120
aagaaaataa tatntattat tntaagttca aaactcagag aggaaaaaat gcatgcaaac 180
aaattcaaat aataagtatt ggctaaaata gttttattat gaaattaaat tctntaagga 240
taaataattt catttttctg aatatttgat attttgaatt ttatttgatc cttannagta 300
acattgtaac aataaaaataa tatctttcaa agtttatg 338

<210> 10602

<211> 326
 <212> DNA
 <213> Glycine max

<400> 10602

agctttccag caactcctct ttgcacaagc cactcatgcg cgacaagact gtgctggtaa 60
 ccggcgggagc cggttacatc ggcacccaca ccgttcttca gctcttgctc ggaggttgca 120
 gaaccgtcgt cgtcgacaat ctgcacaatt cctccgaggt ttctatccac cgagtcaggg 180
 agcttgccgg cgaatttggg aacaacctct cctttcaciaa ggtgctcctc ctctttctat 240
 tgcctgtttc attcaatttt gatttggtcg gtgccttttt ctcgtaaaca aagattattt 300
 cgcttcgtgg cttgtgtttt tcggga 326

<210> 10603
 <211> 320
 <212> DNA
 <213> Glycine max

<400> 10603

agcttaataa atctatatat gctttaaacc aaacctcctg ccagtgggtac cttaattttc 60
 atgggataat ttcttcattt ggttttgatg aaaaccccat ggatcattgc atataccata 120
 aggtcaatag gagtaaaata tgttttcttg ttttatatgt agatgatatt ttacttgctg 180
 ccaatgatca aggtttgcta tataagggtga aacaatttct ctctaaattt tttgacatga 240
 aggatatgga tgatgcattt tatgtcattg gcattaagat tcgtaaagtg atagacctta 300
 aggtatttta tgtctatcac 320

<210> 10604
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10604

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 cagatntacc tgngtcaact ntatcagaga gaaatcagac acctttgcaa ctgtcaagca 120
 cttncacatc tntggaagtc catgttacan tttggcagat agagagcaaa ggagaaagat 180
 ggatcccaag agtgatgcag gaatattcct gngatactct acaaacagca gagcatatag 240

agtattcaat tccagaacca gaacagtgat ggaatccatc aatgtggttg ttgatgatct 300

<210> 10605
<211> 340
<212> DNA
<213> Glycine max

<400> 10605

agctttgaga aaaatcaaac gacaataatt ttttaactcg atgtccgatt gagacccgta 60
atataatcgag acgctcctaa ttgaaaactg aagctctgag caaattttaa ggacaataaa 120
ttttcactct gatgtccgat tgtgtcccgt aggatatcga gacgctcgta attgaaaacg 180
gatgctctga gaaaaatcaa acgacaataa cttttaactc ggatgtccaa ttgagccgtg 240
taatataatcg agacgcctga aattgaaaac ggaagctcta tgaaaagtca aacgacaata 300
acttttaatt cggatgtctg attgagtcct gtaatatatc 340

<210> 10606
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10606

gattttctac tgccatgatt aggtcatctg tagttntagg agcctctntg tgttgtaatg 60
accgaatgac attaaagaag ccaagatcta agacgttaaa atctagcgag tttagggggt 120
gagaaaccaa tcgaatgtca aaatcgccct cactagcagc ttgatggaag tcgttgatcat 180
cttcatcaat gtgacatgga acattgtcct gttgtatgaa aatattttct cctctatctc 240
cta 243

<210> 10607
<211> 338
<212> DNA
<213> Glycine max

<400> 10607

agcttttagtt cactgctttt atagtgcacg atatgcttcc agaggaaaac acattgtcta 60
aaagttacta tcaggcaaag aagatactat gtccgatggg tatggagtat cagaagattc 120

atgcttgccc gaatgattgc atattgtatt agacatgaat ttgaacaaat gtccaaatgc 180
 cctaggcgtg gggatatcacg atacaaagtc aaggatgatg aggagtgtag tattgatgaa 240
 aactcaaaga agggccccc agtgaagggtg ttgtgggtatc taccgatcgt tccaagggtt 300
 aagcgtcctt ttgctaattg agacgacgct aaagacct 338

<210> 10608
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 10608

agcatccaca aactgctggt ggcaattgac tcacaaatca tagcacggcc gagaatttgg 60
 tcatgagaat caacacgaag acgagggtga ctaccaacac tccagacagg ttggatctca 120
 tgggctagag catctatctg taactgccc cactccagg cagtcaccaa aatacaatct 180
 gtgctgacta aattgtaaag aaaactaaca gcacgacctt cacattctgc actacgacca 240
 actgaatctt cattcccatc ctgacctact cttcgcagag gtccctacaa aatcaaaaga 300
 cataaagtag agtcataata tgtaacactg cc 332

<210> 10609
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10609

cttcagactg atctacactn gcacagtggc caaagatgca tgggagatcc tgataatcac 60
 tcatgaagga acctccaaag tgaagatgtc cagattgcaa ctgttggcta caaaattcga 120
 aaatctgaag atgaaggagg aagaatgtat tcatgacttc cacatgaaca ttcttgaaat 180
 tgccaatgct tgcaactgct tgggagagaa gatgacagat gannagctgg tgagaaagat 240
 cctcagatcc ttgcctaaga gattngacat gaaagtcact acaatagagg aggcccaaga 300
 catttgcaac atgagagtag atgaactcat 330

<210> 10610
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10610

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ttttatatga tataatttga ttataaatc taattntgtg tacttgcttc cttcatacaa 120
tgtttggtc cgcgccttta gaagctcata aaagccatta tgatcttctc ttggttcac 180
atttactatt tcatcttcat ttagtggttg tgatgcacct acattagggc catgttgcc 240
atattgttca natgcgtcat tgatcatcat ttccattggg ttntgagggt gaacaccact 300
atcttganaa catcttca 318

<210> 10611
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10611

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tgctccgaac aaaggcggag tatggaggat tggcttgatg gtccacactt angcaattat 120
gaaactcagc tccaaactcg aaagtggagg acacacgaac aaccctaagc aagaacattc 180
atgtggctcc gaaaaaggac gagaatggag gattgccttg agggctcctc cttaggcaat 240
catgaaacac agctccaaac tcanaagtgg aggacacagc aacagcccta agcaagaaca 300
ttcatgt 307

<210> 10612
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10612

gagagccatg agggcggact catgggccac tntngatag acaagaccct tgtcttactc 60
annagaaagt tntattggcc ccatatgaag aaagatgtcc ataagcattg cactaagtgt 120
gtggattggg tacaagccaa gtctagggtg atgcctcatg ggctatacac acccttacct 180
atccctttct caccttnggt agacattagt atggactatg tccttnggct tcctagaacc 240

canagaggtg tagactctat· ctttgtggtg gtggataggt ttagcaagat ggcacactnt 300
 atatc 305

<210> 10613
 <211> 332
 <212> DNA
 <213> Glycine max
 <400> 10613

agcttgcttc tacaggggtga cctattggag gctcccaact tacttccaat gaaaggcctt 60
 cttgttacia aatttgaaag caatgaaggt aagtaaattg tcaattacia aattataaaa 120
 aggtcctcaa ttttgggtgtg tgttctttct ttgggtgattc actcaatttg gagtgtttct 180
 tagcccaata gctcttaagg tgggtgaccc cttgtcttctt gactcaaatt cttcaaggga 240
 tgacatcaat cctcctttcc aattccctat atggcaactc acaaacaagg aaacaaagag 300
 acaagaaata accaaagaca aaaaaaaaaa tg 332

<210> 10614
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10614

aagttattgt cgttttgaat tgctgagagc ttcaacattc aatttcgagc gtctcgatgt 60
 attacgggac tcaatcagac atcggagtaa aaagttattg tcgtttgaat tagctcagag 120
 attcagaatt caatttcgag cgtcccgatg tattacggga ctcaatcaga catctgagcg 180
 aaaaagttat tgcngtttga atttgtgag agcttcaaca ttcaattctg agcgtctcga 240
 tgtattacgg gactcaatca gacatccaag ataaaagt 278

<210> 10615
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 10615
 agcttagagc taattcaaac gacaataact ttttactcgg atgtctgatt gagccccgta 60
 atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtcccggt aaaatatcga gacgctcgaa attgaatggt 180
gaagctctca gcaaattcaa acaacaataa cttttaactc ggatggctga ataagtcccg 240
caatacatcg agacgctcaa aattgaatgt tgaagctctc agaaaattca aacgacaata 300
acttttttcc ttagatgtct gattgagacc cgtaatatat 340

<210> 10616
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10616

cgctgcatgt acacgtctat cttggctaga aagcanaggc atgtgaatgt gatgatgaca 60
gaggaagaga gggcacactc ccaacaaagg caaagactcc tttagccatt cccgggttgt 120
gctctctctc ttctgtcaac atgagatata tcacatcact catcacagtc cattcccaac 180
caccaataga acccttcaag acatgcattt ctactcgtga tcaagatcac cctgtccatt 240
atgaacaata acaccatcat gcatgcattt ggataagacc atacatatat aataattata 300
tggcangtgg acctttcgtg tatcaaaaca agcatatttc taattcttta naattgcttt 360
ttccctactc tattcttggg ctacatatgt atatttatat tacccaataa ttaaatacat 420
aactacagtt tatt 434

<210> 10617
<211> 336
<212> DNA
<213> Glycine max
<400> 10617

agcttggact gagcattgat gaagatgctg gtgaagcaga tgctgacatg cctcctcttg 60
aggacgctga tgcagatgct gagggtagca agatggaaga agttgattaa atctgactta 120
attgcctgtt acgttttttag aaacaatgat tggagaaaca gtcttttttac tatgttttat 180
gttttttgaa ttttcgaaat tttggaacgt tggctagtta ggtgccgtat gtagtagttt 240
ctttatggta aatttgtgtc cgctccctgg ccaatgaatt tgtgctttct tcgtataatc 300
gtgtatgctg attgcggaag tttcagttcg ggaatg 336

<210> 10618
 <211> 337
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10618

tacatctctg ctgagaatat ctctcttttc cgagggtgac tagatctcta tagcctntca 60
 ccccatcacc ataaccatg aatagaccct ntcttgatct angtagaccg tntccttcat 120
 tgacatgata ataagcattg cagccaaata ctcttagggt tgagtagttt gttgttntgt 180
 cattccagat ttcaatacga gttttaagtt ctatagtagt agaggatggt ctattgatca 240
 gaaaacaggc tgtattgata gcttctcccc aaaaacttct gttgagacca gcattagaca 300
 atangcatct tgttctttnc agaaagtgtt tggttcat 337

<210> 10619
 <211> 333
 <212> DNA
 <213> Glycine max

 <400> 10619

agctttgaag ataaagaatc cagttatggt tttcaaagtg gatttcaaaa aggcctatga 60
 ttctgtatct tgggtctttt tggactacat gttgataagg ttaggtttct atcctaaatg 120
 gagaaaatgg attgctgctt gcctccaatc agcaaccatt tcaatcctag ttaattggaag 180
 ccctacaaag gaattggccc ccactagagg tttgaggcaa ggggaccctt tagctccttt 240
 gctttttaat atagtgggtg aagggtctac tggtagatg agagaggccc ttcataaaaa 300
 cctttataga agctatccgg ttgggaagca aaa 333

<210> 10620
 <211> 317
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10620

tatectgatg aggatgttcc atatgttctc aagactgtac taatacantt gctgccaag 60
 tttcatgatc ttgcangtga agatcctcat aagcatctta aggagttcca tattgtctgt 120

tccaccatga natcccttga tgtccaagaa gatcatatct ttctaaaggc tnttctcat 180
tctctagagg gagtggcgaa ggattggctg tactaccttg ctcccaagtc cattaccage 240
tgggatgacc ttaagaaggt gttcttggat aaattcttcc ctgcatctan gaccactgcc 300
atcagaaaag acatttc 317

<210> 10621
<211> 332
<212> DNA
<213> Glycine max

<400> 10621

agcttgtaat ctattacaca tatactgtaa tcgattacca gagcagattt tcagaaaata 60
ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120
gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180
aaagaaaaat cgttttatcc tcttacaat tccttggcca aattacttgt gattcaataa 240
ggaattatct gagtgctcaa attgttcaat ctatctcttt caagagagat ttcttcttct 300
cttcttcttc attctgaaaa gggattaaga ga 332

<210> 10622
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10622

ctcgcaggta gccatgagtn gtgatatgaa cctggcgatg tagttcaagt gcccgaagaa 60
accncagact tgctgntgg tgcattggctc tggcatttcg aggatggcct taactttntc 120
ggngtcaacc tctatccctt ttcggtcac gatgaaaccc aatattnttc ccgatttgac 180
cccagagtg cacttggctg ggttcaacct tagtcggtac ttccgtgacc tcttgaacaa 240
ctttcgtaag atgacgagat gttcttcttc agttntgaac ttggcaatca tatcgtccac 300
gtacacttcg atatcttgat gcatcatatc atggaa 336

<210> 10623
<211> 340
<212> DNA
<213> Glycine max

<400> 10623

agcttaagct ctttcaactg cacaaggctc ttaatatattg aagagtatcc ttgtggaacc 60
ttcacccgat gaagacactg aaaaaaactt atcttctcct ttttggacaa agtatgacaa 120
gttgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtatccac 180
atctctgcta gattttgacg agtattcaag ccattcctcg tcttgcccta aatgttaagg 240
agcgtcccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300
ctaacatcta gatcagacca ctacggaaga tcaaagaaag 340

<210> 10624

<211> 338

<212> DNA

<213> Glycine max

<400> 10624

agcttatgct gcaaacattt ataatagacc tcctcagcag caaaaccagc aacaacagaa 60
taattatgat ctttcaagca acagatacaa tctaggttgg aggaatcatc caaatctgag 120
atggacaagt cctccataat aacaacagcc tttccctctt ttccagaatg ttgctggtcc 180
aagcaagcca tatgttcttc ctccaatgca gcagcagtca taacaaagac aacctacaac 240
tgaggctcct cctcaacctt ccttagaaga gttagtgagg caaatgacca tccagaatat 300
gcaatttcag caagagacaa gagcttccat tcagagtc 338

<210> 10625

<211> 331

<212> DNA

<213> Glycine max

<400> 10625

agcttatgct gcaaataattt acaatagacc tcctcaacct cagcagcaaa atcaaccaca 60
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacgtaa 120
cctcagatgg tgcagccctc agcaacaaca acagcagctt gctccttctt tccaaaatgt 180
tgttggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acaaccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
tatgcaaaac atgcagtttc agcaagagac c 331

<210> 10626
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 10626

agcttaagct ccttcaacta cacaagactc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacccgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgggggca agtaaatttt ctcccatca gaccttggat gcaactgtga tcgtataccc 180
 atatgagcta gatcttgacg ggtattcaag ccatacttcg tcttgccttg aatgttaagg 240
 agcgtcccaa tcacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
 ctaacgtcaa gatcacacca gtacggaaga tcaaag 336

<210> 10627
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10627

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 gaatntctcg agagctttgg ttgttcaatt tcgagtgtct cgatatatta tgcacctgaa 120
 tcggattgtc gagagacaag ttatgaccat ntgaatttct cgacagcttc cgggtgttcga 180
 tttctagctt ctccatatat tatgcgcctg aatctgactt ccgtgtgaca aagcatgacc 240
 atnggaactt gtcgagggtc tccgatgtgc gatatggagc atctcgatat actatgtgct 300
 tcaattggac a 311

<210> 10628
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 10628

agcttctcga tatattatgc gcttgaatca gacttccgtt acaaaaagta tgaccatatg 60
 aatttctcga tatattatgc gcttgaattg gactttcgtg tggcaagta tgtccattcg 120

aattcttcga gaggacccgt tgctcgatca ctagcggttcg tgatatatta tgcgtccgaa 180
 ttggacgcgc tactgaatgg gtatgaccac ttgaatttct tgagagcctt ttgtgaaaaa 240
 tatgctgcgt cttgatcttg tatgggcctg 270

<210> 10629
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 10629

agcttgtaat caattacaca catactgtaa tcgattacca gaggagattt tcagaaaata 60
 ttctcaacaa tcacatcttt tcatttggtt cttgaatggc catcaatggc ctatatatat 120
 gtgacttgag acacgaattt gccaaagatt ttccagaaca acaagtgttt attctctcaa 180
 aaaaagcaaa atcgttttat cctcttaaga attccttggc caattcaatt gcaattcatt 240
 aaggaatcat ttgagcgctc agattgtaaa atctatctct ttcaagatag attcattctt 300
 cttctctttc taattcacta agggg 325

<210> 10630
 <211> 326
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10630

tgacattcat ggtgctccga acaaagggtgg agtatggagg attgccttga tgggtccgcac 60
 ttangcaatc atgaaactca gctccaaact cgaaagtgga gaacacatga acagccctaa 120
 gcaataacat tcacgtggct ccggaacagg atgagaatgg acgattgcct tgaggggtcct 180
 ctcttaggca atcatggaac acagctccag actcaaaagt ggagaacaca tgaacagctc 240
 taagcaataa cattcatgtg gcttcagaca atgatgagaa tggacgattg cctngaacgt 300
 cctctcttag gcaatcatgg aataca 326

<210> 10631
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 10631

cagaagctca cgagatacta caatggtctt aacatgtcac acggaagttc tattcaggtg 60
cataatatat cgagacgctc gaaatagaac atcggaagct ctcgagaaat tccaatggtc 120
ataacttttc acacggaagt ccgattcagg cgcataatat atcgagaagc tggaaattga 180
acaacgaaag ctctcgagaa actcatatgg tcataacttg tcacacggac atccgattca 240
tgcgcataat atatcgagac gctcgacatt gaacaacgta tg 282

<210> 10632
<211> 421
<212> DNA
<213> Glycine max

<400> 10632

agcttgaaat tgaacaacgg aagctctcga gaaattcaaa tgtgtcataa cttatcacac 60
ggaagtccga ttcaggcgca taatatatcc agacgctcga aattgaacaa cgaaagctct 120
cgagaaattc aaatgggtcat aacttgtcac acggaagtcc gatttcggcg catattatat 180
cgagacgctc gaaattgaac aacggaagat ctggagaaat tcaaattggc ataacttatc 240
acacggagggt ccgattccgg cgcataatat atcgagacgc tcataattga acatcgaaag 300
ctctcgagaa attcatatgg tcataacttg tcacacgaaa gcccgattca ggcgcataat 360
atatcgagac gctcgaaatt gaacaacgga agctctcaag aaattcaatg gtctaacttt 420
c 421

<210> 10633
<211> 282
<212> DNA
<213> Glycine max

<400> 10633

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caacagggttg gctacttttg agaaatcttt tatgaatcgc ctgtagaacc ctgcatgtcc 120
taagaaactt cttatttcct tgacattcag gggaggaggt agttttctcaa ttacattgtc 180
cacctctttc cctcttactt gaaatttatg cccaacact atttcttctt gaaccatgaa 240
atgacatttt ctccaattga gaactagatt agattcttca ca 282

<210> 10634
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 10634

cttgattctt gaccactctc tttgtgactt ctccttcttg gcaacgagtc ctgctaaaac 60
 aacaatggca agtgggtaac cccacaaat tttcacaatg gatctacca gaggtcttaa 120
 atcagacggg cattcttccc ctctaaaaat cttctttgtg aagagttccc agctttcatc 180
 ttcattgagg atgggaaggt agtatggaga cgcagttcca gcatagtgtg ccacctcttt 240
 gttgcgactt gttatgagaa ttctactacc tgtttggtca tctggaaagg ctcctttaac 300
 ctcatcccat acttgggttt ccagatgtc atcaagcact accagatact tcttcctttt 360
 aaccattctg ctaccttttc ttagtttacc tcaact 395

<210> 10635
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10635

catataaaact gaatcctatg cacccttaag gacttattct aaatatcagc tgactgatca 60
 tttagagntaa tgaactcagt ggccatctct ttggacaata gctttctccg aataaagtga 120
 tagtcaatct ctatgtgctt ggtcctctca tggaagactg ggttttgagc acatgtgaag 180
 agcaaccttg attatcacia tataacttca tttgcatcac tttgcagaat ttcaactc 238

<210> 10636
 <211> 255
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10636

gagcacgctg gacttcacag cgtacctagg agggccgtag ttgaagagcc ccaccacacc 60
 gcgatagatc ttgaacgacg ggatgtggaa gagccgtcat tccaggtgtt ttcaccactg 120
 atgccttggt gctgtcgaac acgccctgga gggagatcca tggaggtttt cgagagctcc 180
 anggagttgg ttgttgattg tgttctacat catacgcatt tggttcatga ggaatcggtg 240

atcgtgcaag atata

255

<210> 10637
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10637

cgagctaacc cttgcatttt tttgaggtat tttgctacct aaacatgtgt atatTTTTgt 60
gagatatttt tgctatatac atgcatatcc gaggtatctt gctacctaaa catacatgta 120
tatattgtga ggtattttgc tatatacatg catatccaag gtatcttgct acctaaacat 180
acatatatat atnttgtgag gtatcttntt gttatctaaa ttacatacat gcatatctaa 240
ggtattttca ctacctaaac acacatgcat atattntgtg aggcattgact accttccgag 300
ctt 303

<210> 10638
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10638

agtcacctgc ngcatgcaag cttcttcaga aacgtggcag ttgtgtgcaa tacataatgc 60
ctaaaacacc acaacaaaat ggtgtatcag aaaggcgtaa tagaacttta atggatatga 120
ttaggagtat gttaatcaat tcaactttac tcgtattttt gtggatgtat gccttgaaaa 180
ctgccatgta tttgttgaat agggttccta gtaaggcagt tccaaagaca ccttttgaac 240
tgtggatgaa taggacacct agtataaggc acatgcatgt ttgggggttg cagacagaaa 300
taaggattta taatccgcaa gaaagataat tggatgcaag aacaatcagt gaatatttca 360
ttggttatcc aaaaaagtca tggggtatat gtntttttgt cctaatacata gtatgagaat 420
ngttgaaact ggaaatgcat gtttactgaa aatggtgaaa ttagtgggag ta 472

<210> 10639
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10639

tgtaggccta ggatcttctt catcaatgga ttcctttgct tcttgganaa tgaatggcag 60
cggaatggag aaggaagaga gagagagaga ggagacgcca cttcaaggag aagatgagtc 120
tagaagaagc tcaccaccat aagaggccat ggataagagc ttgggggaag aaggagatga 180
atgaagggag agggagagaa gagcacgaaa ttntgtgctc caaatgagct ttgaaatctg 240
aattntaata ttcaaatgat caaagttgaa aaaaatgcac acacatgacc tctatntata 300
gcctaagtgt cacacanaat tggagggaaa ttcaaatttc a 341

<210> 10640
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10640

ngctaagggtt aaaccatact cgtgctcttc attgcactcc aaaggatatt gatgcaagca 60
cctcagctag tggacttggg tattgggtca ttogtctctg atccacgttc tgaggtctac 120
aataatatga agaacgccat cttatagtgc atgttaataa ccagtttgtc atgatttttc 180
tgggtttatc ctcactgcct tagagcttta tatcctgttt gcatgaactt aacaaccttg 240
aacctgaagt ttgcagcagg aattcanaac acagagctaa taacactaat atgctgctgt 300
gggaaacttc agcgtttatc ggaatatata ccaacctaag tctcttttca tctatgttcg 360
tatgctgttg aatatctata attgctatac 390

<210> 10641
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10641

atgatgcaga tgggtntgta gctacctcat gcactcctct aatgactatg gcatcatttc 60
tggcgctaaa ctgctgggag ttggaggcca tcttctcata ttaaattttg gcttcagcag 120
gagtcatgtc tctaagggct ccaccactgg cagcatctat catacttctc tccatattac 180

tgagtccttc ataaaaatat tggagaagaa gttgttctga aatctgatgg tggggcaact 240
ggcacatagt ttcttaaate tctcccagta ctcatagagg ctctctccac tgagttgtct 300
aatacctgag atatccttct tgatggctgt ggtcctggaa gcanggaaaa ttttttctaa 360
gaatactctc t 371

<210> 10642
<211> 338
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10642

tatgctgcan natattacca atagacctct aaccctagca gctaaatcca ccatagcaga 60
acaattatga cctctccagc aacagatata accctggatg gaggaatcac cctaacctca 120
aatggtccaa cccttagcaa gagaccagag cctncattca gagcttaacc aatcagatgg 180
gacaattggc tacccaattg aatcaacaac agtcccaaaa ttctgacaag ctgccttctc 240
aagctgtcca aaatcccaaa aatgtcagtg ccatctcatt gaggtcggga aagcaatgtc 300
aaggacctca acccgtagca ccttctcat ctacaaat 338

<210> 10643
<211> 436
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10643

cggaagctct cgagatatca aatggttata tctnttact tggaggtcca attcacgcgc 60
ataatatatc gagacgctca aaattgaaca aggaaagcta tcgagaaatt caaatgatca 120
taacttttca catggaggtc agattcaggc gcataatata tcgagatgct cgaaattgaa 180
caatggaagc tctcgagaaa ttcaaatggt cataactnta cactcggagg tccgattcag 240
gagcataata tatcgagacg ctcgaaattg aacaatggaa gctcttgagc aattcaaatg 300
gtcttaactt ttcactcgga ggtccgattc aggcgcataa tatatcgaga cgctcgatat 360
tgaacaatgg aagctcttga gcaattcaaa tggtcataac ttctcacttg gatgtgcgat 420
tctggcgcat aatata 436

<210> 10644
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 10644

gcctcttacg tctggtttat gaatgtagca tatagatcca aagaccctta cgtagcttgc 60
 tgatggcttc ttcccgttcc aagcttcaat tggagtcttg tctcttacag acttagttgg 120
 acatactgtg agtatgtaaa cagcaatcgt aactgctaca gcccagaatg tgttaggtag 180
 taccttttcc ttgagcatcg aactaaccat cttcataact gtgtgactct ttctctcaga 240
 cacttcattt tgttgaggag aatatgcgac tgtaagttgt ctcttatagc cttcatgctc 300
 acaaaaaactt 310

<210> 10645
 <211> 337
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10645

gggttgatgc gttctgtctc gtagaatggc attatcacta gctgacatgt tctcaattag 60
 ctcagggtgt tcttctagga tcttcagttt tatctttccc cctgcagaag catctaacag 120
 ttgcttggtt tatgggtctc gcccatctat aaacatattc aattgaattg gctcagaaaa 180
 cccatgggtg ggagttcttc tcaataaacc tttgaacctc tccaatgctt cactcagaga 240
 ttcatcangg aactgatgaa atgaaggcat tgcagctttc ctttctatag tctntgactn 300
 tgggaagtat ttctttanga acttttcaat aactctt 337

<210> 10646
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10646

agctnttcac tcggatgtcc gattccggag ttattatatt gagacgctcg aaattgagca 60
 acggaagctc ttgagaaatt caaatgggtc taactttcca catggatgtc tgattaagac 120

gcataatata tcaagatggt cgaaattgaa caacgaaagc tctcgagaaa ttcaaatagt 180
 cataactttt tactcgaggg tccgattcat gcgcataata tatcaggacg gtcgaaattg 240
 aacaacgaaa gttcttgaga aattcaaagt gtcataactt ttaacccgga taaccgattt 300
 agaaacatca catatagaga agctcgaaat tgaacaacgg aagctctcga gaagtttaaa 360
 tggttaatac ttttcacgga ggtccattcg ggcgataata tate 404

<210> 10647
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10647

gctcgacaaa tggaagcaca gatgtctttc tatgggagggc aggatatccc tcatcaattc 60
 tgtcttaaca gccctcccta tctacattct ctcttttttt agaatcccta aaaaagtggg 120
 gcataaggta gtttctattc agaggaaactt tttgtgggga ggaggttctg aggcagccaa 180
 gataccgtgg gtaaattggg atattgtttg tcttcccaag aataaaggag ggctggggat 240
 taaagatatg tocaagttta atgaggcctt gattgggtcaa tggggatggg actatgctaa 300
 taaccanaat cagctntggg ctatagtttt gatgtccaaa tatgggtgtgt ggaatgcttt 360
 atgctatgga agaaacagtg cagactgtct cccttggtgg aaggatctta gagctgtttt 420
 ccagccacag catagtaaca gtttcatcaa taacatg 457

<210> 10648
 <211> 354
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10648

tctcgcgcac ttctccgtgt tctgcgaaat cgaagaaagt tcgttagggg ttgataaaca 60
 aacaggaaag tcgaaagggt ttgctttatt tggtttataag tctcccaggg gtgctcaggc 120
 cgcattgata gatcctgtga agactgtgga agggaggcag ttgagttgta agttggcgat 180
 tactgatggg aagcagggaa agcgggtagg gccggactct gcccaggccc atcacgggaa 240
 tgttcagcac gggcatggag atggagtggg ggcgggaatg gngatgcctc ctaatgcggg 300

gtccgggcct gtgcagtatg gtggacctgg acagtatggg cccccggttg ggat 354

<210> 10649
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10649

agctngcatt ntgtggaaga ttaaactctt gttagggtat attagagcac ctactgtgc 60
 tattaacatc aaaccaagta aatattatac ccttgcaaag gatagtttag tacaccctcg 120
 gtgaaataga tccaactaca ataccacaac attaaacaat aataaagaat ttaacttgga 180
 ataagaaaac actcatgaaa tgattagatc attatagccc agtaaagggc cccaagatca 240
 acggtttcaa aaaaactgta cacgatctca tccacaaaat atttttactc acaaaatttt 300
 aaaaagaaga tataaacaaa acaactaaa aatagagagt taggggggtat attgaattaa 360
 gattntaaaa aactatttta acataaaaaa acttgtggag tttaaagaat atgtaggaat 420
 attatgactt atcagattnt ntacaagact tttatgata 459

<210> 10650
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 10650

agctttctaca ttcaattgca agcttttcga tatattacgg gactcaatcg gacatccgag 60
 taaaaagtta ttgtagtttg aatctgctca gggcttcggg attccatttc gagcgtctcg 120
 atatatcacg ggactcgatc ggacatcaga gtaaaaagtt attgtcgctt gaattagctc 180
 agagcttctg caattcattt cgagcatctc gatataattac gggactcgat cagacatccg 240
 agtaaaaagt gattgccgtt tcaatctgct cagggttctt gaatgacatt tcgagcgtct 300
 cgatgtatta cgggactcaa tcagacatac tgataaacag ttattgtcgg ttgaatttgc 360
 tcagagcttc t 371

<210> 10651
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 10651

agcttcccag atccgctcat ggaatgactt ggcaactgcc ttcattaggc agtaccagta 60
caatacggac atggcccccg atcagaacca gctccagggt atgactaaac gagagcatga 120
gtccattaag gagtatgcc agagatggag agatctcgca gcccaaaagg gcatctccgg 180
atgtattgcc ggaagatggg ggcgtattct gcggacgaaa agttgttggg ccatttcttt 240
caagacagct tggccggggc agctgtagca tggatatacca atctggaagc ttcccagatc 300
cgctcatgga aggacttggc aactgccttc attatgcagt accagtacaa tacggacatg 360
gccccgatc ggaaccagct ccagggtatg actaaacgag agcatgagtc cattaatgag 420
tatgcccaga gatggagaga tct 443

<210> 10652

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10652

agcttcttat ccaaggctca tcttgggtgt gaagctctct tcttccatgg cttattccct 60
agaggatggc gcctcctctc acctcttctc ctttgtcttc cgctgcatct ccatgggtgga 120
aaatcaccat taaaggacct cattgaagct caaagatcca gcctccatag aagctccaca 180
agcaagcttc catcacaacc cctaagcact tttgggocaa agcagtgaat actgcatggt 240
atcttcaaaa caaaatttac ataagaccta tccctaaaat gaatttgtat gaagtatgga 300
aggaatgaaa acccaacata taatattttc ttccatttgg atgcaaagtgt ttcattctca 360
acacaaagga taacctgnga gaaattgact agaaaagtga taatgggata tttcttagat 420
actctaaaac ttctaggaca ttcaaagttt acaactcaag aacctt 466

<210> 10653

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10653

agcttgataa gccatcttct ccaaaagctc tttgtataat aactttatat gaatcctgag 60

atttaacaca acaatatgaa ggatgaaact caaagaaaca gctattatct cgagtgaatt 120
tactaacact aagtaaattt ttggtaaggg agggaaactag caataaattt ttaagggaga 180
gagtagtggt tggaaaatag ggggacctaa acagatttga gcctatggaa gagattcttg 240
tacctgtgcc attagccatt aggatatgtt catttcctgc agctgtactg ctctgaagga 300
gattatgtgg atcattgggt gcatggngtg aagcacctga atctggaaac caagcctgag 360
aaatgttagc ag 372

<210> 10654
<211> 339
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10654

attcaaaactc ggaaattcaa gaagattcct tgattttctaa agtggtataag attaagatga 60
tcatagacca ttcccttttc ttggatctca ctcaattatc aagtgcgggt gtaccatcta 120
atgggttcaact tgatgatgag tggaagtttg attttctctgt gtctgatgcc ccccgatgg 180
tttgaccaa ccaagcagat atgatcgga ggctttcttg ctgttcattg gcattngaatt 240
gtcgcacat gcactacttg attatgcgca tctactccc tagatcttcc aaccttgac 300
aagtgtctga ggaagaattg ataatcatgt gggttttct 339

<210> 10655
<211> 412
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10655

aaaataactt aatgccatta acctagggaa ttaaaaaaaaa aacttaatgg ctgagtgtaa 60
ctgaaattgt ggcaaccaa agtcaccccc aacagccaac aagtcagcca ccatttggtc 120
tcccaaaagg ctgatgcta gtgatgcaat cctaccttgc aagggcattg gatataaaac 180
ttgaagtaga ttgggccaga gatgcaagag aaggccctag ggttcttatg agccttaggg 240
tagatttcgg gcccatgggc taagtacgag cccacttatt tttgtaaata ttagattaag 300
gtttcaatta ttttgggcct cgtatttagg gctccataat ttaggtaggg taccctagan 360

atataggact ttcagccctt gtattttagg gcacctagac tatgttttga tt 412

<210> 10656
 <211> 287
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10656

cgccctaata taacttccgt gtgagaagta tgaccatttg aatttctcaa gagctttcctt 60
 tgttcaactt tgaacgtctc gatttgtgat tcgcccgaat cggacatccg tgtcaaattgg 120
 tatgacccat tggatntcta aagagctttc gttgttcaat ttcgagcctc tcgacatatt 180
 atgcgcccga atcggggcatc cgtgtgaaaa cttatggcca tttgaatttc tcaagaagtt 240
 ccgatgttaa tttcgagcgt atcgatatat nataagcctg aatcgga 287

<210> 10657
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10657

agcttataga atatataata aaagaacaat gacaattgaa gagtctatac atgtttcctt 60
 tgatgagtct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120
 agaagataca catattcatg gaaataactc taaagaaaaa gatgaaggaa gcaatgaaga 180
 ttctcaagat aatggggcta gaggaataa tgaacttcca agagaatgga aagcctcaag 240
 agatcatccc ctgcacaaca ttattgggtga tatatcaaaa ggggtaacaa ctagacattc 300
 tcttaaagat ttatgcaata atatggctct tgtatctatg attgaacctt aaaatataaa 360
 agaagccata gtagatgata actggataat taccatgcaa gaagaactga atcaatttga 420
 aagatataat gtgtganaac tagtagaaca acctgaa 457

<210> 10658
 <211> 443
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 10658

agctcgcac aagtcctgtc taagtgggtcc tgaatatttg tgtatgacag nggtcaagaa 60

tgatagagat gagctaattc ctacaagaac agtcaccggg tggagaatgt gtatcgatta 120

caagaaactc aatgaagcca ccatgaaaga tcattaccgc cttccctaaa tggatcaaat 180

gcttgagaga cttgcggggc aatcttttcta ctattttcttg gatggatact cgggctacaa 240

tcaaatacga gtagatcctc aagaccaaga aaagacaatt gtcacatgcc tcttctgtgt 300

attagcttat ctgcacatgt cgattgggtt atgtaatgcc ccagctactt tccaaagatg 360

tatgatggca atgttcgctg acatggcata gaaatgtatt gtagtctcta tggatgattc 420

ttctgacttt gcacatcttt tgg 443

<210> 10659

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10659

gctccttcaa ctgcacaagg ctcttaatat ttgaagagta ttcttgtgga accttcattc 60

tatgaagaca ctgacaaaaa attatcttct acttcttggg caaagtatgg caggctgggg 120

gcaagtaaatt tttcttccca tcagaccttg gatgcaattg tgatcgtata cccatatcag 180

ctagatcttg acaggtattc aagccatcct tcgtcttgcc ttgaatgtta aggagcgtcc 240

caatcacact ttcacaaaca tttttctcca catgcataac atcaatacaa tttctaactg 300

caagatcaca ccagtaaggga agatcaaaga anatggatct cttcttccat atgcaactct 360

gactnttata cttcttttgg 380

<210> 10660

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10660

agcttgatct agtgtaaaat taactttacc tataagataa agcaaacaca ggtccagatg 60

attaccgaan ttgtaagaac aacaattaag tcattcttgaa agtactcaaa cagataatag 120

tgcaactatag cttccctcag agacagagggc catgaaacct tcaccctttc ttccaaaatt 180
 cagtgaaaaa tcagcattca aaagtggtaa agggcattaa atgttttttt tttttacttg 240
 gtgcaggctg gacaaacctc actagtata attgttcccc aatccgggtc ttttgcaaac 300
 attcagctga taagattttg aaagtgggaa tagtagactg agggcaccta aatgaaaatt 360
 gtgaanaggg tgtcagggtc atttatcaga tacattttta taatgatata ttacttagtt 420
 tcaaaaacat tactaaggta tacaagtaca acaacattc 459

<210> 10661
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10661

agcttgcana atggaagcaa agatatctct ctatgggtga aagaataacc ctcatthaatt 60
 cagttttaac agcattaccc atttacttgc tgtctttttt tagaatccct aaaaaagtgg 120
 tgcaaaaagat agttactatt cagagaaaatt ttctataggg aggggtgattt gaggccaaca 180
 agatcccttg gtgaaatggg acacaatttg tcttcctaag aacaaagggg ggtaggggat 240
 taaagacttg atcaaattta atgaggctct gcttggaag tgggggttggg agttggctaa 300
 taattagaac caactntggg caagaatttt attgtctaaa tatagcggct ggaatgaata 360
 gctctctggt agaaacagta gtgatttctc tcattgatgg aaagatctaa agattgtatt 420
 tcagtagtag gacagcaata gcatcatcaa taat 454

<210> 10662
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10662

agcttgaatc ggacatccgt gtganaagtn atgatcattt gaattttctca agagcttccg 60
 tagttcaatt tcgagcttct cgacatatta tgcgcccga tgggacatcc gtgtgaaaag 120
 ttatgaccat ttgaatatct cgagagcttc cgatgtttta tttcgagcgt atcgatatat 180
 tataagcctg aattggacat ccgtgtgaaa agttatgacc atttgaattt gcgagagttt 240

tcgatgttta atttcgagcg tatcgatata ttatacgctt gaatcggaca tccgtgtgaa 300
aagttatgac catttgaatt tctcaagagc ttcgatgggt caatttctag actctcgaca 360
tattatgcgc ccgaatcgga catccgtgtt aaaa 394

<210> 10663
<211> 423
<212> DNA
<213> Glycine max

<400> 10663

agcttatcca tggcttcccta tggaggtgag tcttttcttg attcatcttc tccttgaagt 60
agcgtctcca atcatcattc ttccatctcc attccactgc cattaatctt caagaagaaa 120
aagaatccat tgatgaagaa gatccaaggc ctactatcat actctaattt cgtccgggca 180
ccgttgtttg tcagcatgcg accttcgttt gaccatttca aaatgtttta caccatcgc 240
cgtgaaattc gtaaagttcc gagatgtttc ggagagaaat cggccaaaaa cagaaaaatg 300
gaagtgtagt tagcaaagta ggggtgtgta aatagactgt tacaccctaa tttcatctgg 360
ggactgttgt tgatcgcttc gaaaggcttc acaccatcg tcatggaatc cgtaaatctc 420
gga 423

<210> 10664
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10664

agctngatat atgtaaatgg ttggaaatcc tttgacttga gtattcttca gaaataaatt 60
gagcagagct actccaactt tgctccagac tccagattca gaacaaagtt ctgtagttca 120
gtcttggaat tttaaacaaa aaatccaatt cttgaagttt aagaaagagg aagcaatngc 180
acttggggct caagccctgg atttgagatt gccatttggg gaaattgagg ttcttaagga 240
aaacttggac gtgatcaaga gacagatagg tctagaagat gtggaaattt tatctgcagt 300
agatgccgat tccttggcca gagctgaacc attagcttct ntactaaatc aaaatcctcc 360
ttcacctgga aagccaactg ccatctttnt aactcggtag ctac 404

<210> 10665
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10665

agctgtcaaa caaatcgggtg atctcactca ccacaattat tatatgaaag atctaagtta 60
 gatgctgaag gttgaaaaga aatgatggaa tctcataacc tatgttattc aaatcgaggc 120
 cctaattgatt tacttgggtg atgttcgcaa aatattgagc aatggctcca gtgaagctat 180
 tatgagaaaa acacaatgaa gtgagatgtt gaggatttga aagtgatgat ggaatctcat 240
 tgctganatt gttccaacac aggtccaagt gttatacttg tgtgagatta gataaaaaaca 300
 gaggaatatg tcctttgaag tcagatgaat g 331

<210> 10666
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10666

gagcgatata tctaactcaa ttgatcaatc tatgtaaatt atcatagata atnggatata 60
 tagtctttga atgtatagat aaaaaaatga aaacaatcaa tttataaatc aggtatcttt 120
 gttctctcta ggaattttta caaccaaaca attattgcac ctacaattgc ttgtgagggt 180
 tttatttatt tatttaaaact tttaattgaa ttctaagact ctaaaaatta attatgtata 240
 cttgactcga atntatacta ataacaaaga aagacttaat atctctatct gtttataact 300
 aattaaaatt gaatgtatct gaagttcaat tctcatgtat aaaaattcta ttaaacttct 360
 catttgtctt tatctctttc tatcatacta tatcaattat gctatcaatt actcatctct 420
 cttttgttgc aatttctctc aagatgtata c 451

<210> 10667
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10667

aattatagcc tcanaacatg ctacatatct atcttccatg gtagatgcaa caacaactaa 60
 tgcataatgga attgcttcca tntgttttca ttccaaatca tttaagacat tgtgcaaggc 120
 taaatntgtc tccttttctaa atggaacggg tgatgttgaa cactttttct tcctaaatct 180
 ctctagtact ntattgatat atgctntatg agataagctt aacaatccaa gtgatctatt 240
 acggaatata tttatcccta tcatatatct tacctcacc c atacttttta catcaaagtt 300
 gctagagaga aacttcttag tctcatgaag aagaccaaga ctattagttg caagtaagat 360
 atgatncaac atacagaata gaaaaataac cttactccca ctgaccttca gatatatata 420
 caccaatcaa caatatntc cttaaattca aaggaaacaa t 461

<210> 10668
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10668

ctggattctc tgtctgtnta tggtacataa gccnctaca cgtacctcat tttatctcca 60
 taccttttaa ttntaaacat tgcgtggact gtgttgtgac tctcttgtgg tattttctac 120
 catagaaggg ctagtcacga tcaacaaang ntatatcgta catgtcgaat ccaaaataaa 180
 ctagtacatt ctcatntaaa aaaacaaata atacttgttt gggttaaatatt gaagaactaa 240
 ttttaaattc taagttgatt ntagattaca acanatttga ttaactttta cgttgaatta 300
 aaattttatc tctatcttga ttttataata aaaatatcgt catataaatc agttaacatt 360
 catctaaaca caactntaat ggaacatttc ataccaggct attatgattc agattcatca 420
 atgataatat gagagccaat annttggctt caattcgaat cgactctcan atctc 475

<210> 10669
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10669

cttgactctc anntttgttt atttactgta ttatatctta cgtatatttc aactgtatc 60
 ccaagtgtag tacttatgta caattcgatt ccgaggatat taaaaggctt tntatttatt 120

attttacttt tctgtacatt aataactcta acatctcaca ctataattag taaatatgat 180
 taattaattc aatatatact gacataatta atatcgaata agataatcaa atagttaaga 240
 aaatgggggat aaaaatagac taaagttata tgataattaa aatagttaag gaaatgtata 300
 aaaagataac tcgcttttagc atttaattnt attgggtctta ataatttaca taaattttaa 360
 tattntacac aaaaattcac tctaataatta agaatgttaa aatgagtgc tannatttat 420
 tttataggtc gtataatact taaaaaatat attatttata caataaatgt tntaaacaat 480
 ag 482

<210> 10670

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10670

caccgcacta agacactaac aaaaacttat cttcttcttc ttggacaaag tatggcaggc 60
 tgggggcaag taaattttct tcccatcaga ccttgatgc aactgtgatc gtatacccat 120
 atcagctaga tcttgacggg tattaagcca atcttcgtct ttgccttgaa tgttaaggag 180
 cgtccaatg actctatcac agacattntt ctccacatgc ataacatcaa tacaatgtct 240
 aacgtcaaga tcacaccaat acggaagatc aaagaanatg gacctcttct tccatatgca 300
 actatgactt ttatccttct t 321

<210> 10671

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10671

atagcttttt tatgagatag tattnctaaa atttattatc aattggaatt atagaatttg 60
 tgaaatgtta atatttttaa ttttttcct ttgtggactc aaacttttaa ttttcaacaa 120
 cacctacatt aaaattggaa gacattctca cattaattat tgaaacttag aaatgtcaaa 180
 taagttctta aacttaatga tttagtttta tttcggttct taaacatatg ctaatatttt 240
 taataatatg tctacattat caccctatgt atattatctt gaatgttgca ctaatgtcat 300

cggttgattat atcttttagag ggttntgttt ctctgattta ataactatct gacaattcat 360
tccattttca agatctaaag tg 382

<210> 10672
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10672

tgactcanaa acttggaatc cctatccgat acaatgctcc taggcaatcc atgaagacgc 60
actacctctt tgaagaaaag atccatcaca tgacaagcat cgtccacctt gtgacatgga 120
atgaagtatg ccatcttgga actatcaaca accacaaaaa ttgaatcctt gccctcttg 180
gaccttgga gaccaagcac aaaatccatg gaaatgttgg tccaagggga ggtaggaatt 240
ggcaatggag tatacaaacc atgatgcatg atnttggact ntgccttatg acacacaatg 300
caattagaac aaaaataaaa tttcatgcaa aatgttcaaa gtcttttcaa ctccaaaatg 360
gtcccattaa ccccttttat gaacttcata aatcacgagt tcacgcatta nactttgatg 420
ctacacaatc tattatTTTTT aacaagtat 449

<210> 10673
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10673

ggttccaaca ctctgttcaa gctctcccaa aatctatagg gtaatctagg atctctatca 60
gatactatgc tagatggcac accatgtaac ctgacaacct cacttatata caaggtggtc 120
aacttctcca aggaaaatct gatattaatg ggaatgaagt gagagactta gtcaatctgt 180
caacaataac ccagatagaa tctaaacctg taggggttct aggtagtcct accacaaaat 240
ccatggaaat actgtccac ttccactgag gtatctctaa gggttgtgac ttccctgaag 300
gtctctgatg ttctatctta gccttctgac agactaggca tgaattcaca aactcactaa 360
cctctctctt catgttgggc caccaaaaca tcgtctntaa atcatgatac atcttggtag 420
ctgatgtgcc atcattntct tctattatct gaaccctttt cgaccattta attattattg 480

<210> 10674
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10674

tcataaaagt ntatatggct agaaacaagt accgaggcag tggttctaga agtttaatga 60
 gtttatgagc aactcacgat tcaacagatg tgacatggac cattgtagct acgttggtgc 120
 aacctaccct tctgcgggag ggcgacacgt gaatagtgat gcgtattcca cgaaagggat 180
 acgcgcggag tcgccaccaa cgtttatgtg aggaaaacgt cagatgaacc agatagacgc 240
 gatctacgaa cttttaagtg aaaggctcgg gagatgtatt tatgcacggg gaaggtatta 300
 gcaccccaca cgatcgtcac aagggacggc agcctttaat cgaatgtgca aacatgactg 360
 tgattttacg ttccgcttta tgccttata tccttatacc ctgtttacat ttttctctct 420
 tgtggcgac 429

<210> 10675
 <211> 464
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10675

cagcaacact catgttcac catcttgccc ttactgtaaa aaaactaatc acccacaaaa 60
 caagtgttgg tggaggccag atgtaagggtg tcatatgtgt ggtcagttat ggcattgtaaa 120
 agaattgcaa atttaacaca caagaagaag tcaagggtgt tgaggaccaa tcacaagagg 180
 agcagttggt cgttgcatca tgcttggtt tcagtagctc tacaaaaagt tggcttattg 240
 atagtgggtg tacaaaccac atgacctatg atcgtgagct ctttacagaa cttgatgaag 300
 ctattttttc taaagtcaag ataggaaatg caacatatat tgaaataaaa ggcaaaggaa 360
 ttgtgtcaat ttaaggccac acgggtttga aactaatttc tgataactac taaatatgag 420
 ttantttgat aataaaaata tattgaanat atctctaaaa atat 464

<210> 10676

<211> 440
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10676

```

ccctcagcct tatagtatcc atcttggtgcc tttttccac aactctngta aatgggagag 60
aaatgttcat cttaaagcata caagtcctta atgttatcaa atcctaaaat atgagctcct 120
agggagcaaa acatgtgtgt ctctagaga gggcatcagc taccacattt gtttttccct 180
ttttgtatth gataaaatat ggaaattgct ctaggtactc taccattttt gcatgccttt 240
tgthtaactt gctttgcct ctaatgaact taagtgattg atgatcacta tgaatgacaa 300
attccttgga aacaaggtaa tgttccaag ttgggagtgc tcttattaag gcataaagct 360
ctttatcata ngtggtgtag ttaagggtgg caccatgaag tttctcacta aaataagcaa 420
tagggtgccc accttgcaac 440
  
```

<210> 10677
 <211> 446
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10677

```

ngaggtaaa agaattatta gtcacattc ttntaattat ttattatttc taagttcttt 60
ntttataatt agtggttagtt aatattggtc ttaataccac tactacaatg tgatctttaa 120
caatatttct ctgtctaaca cttagtaaaa atattgntaa ggttttgaca acacttaaaa 180
tatgtcgcta aaaatgaata aatattatta atatatgttt ntatgacact ttatcaaata 240
tagtgataaa gtcattgtgt taaaacctt aatcacttat atttcatcaa tcaattcaag 300
caatccatac acttagccaa atagccattt aatcacaaca acaaacgtaa aactcataac 360
cctagaccgc ttgaaaacaa aacagaatca tgccataatt aaaattagac anagattttc 420
aacatagaaa ctnnttacat agcagt 446
  
```

<210> 10678
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10678

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ctgttcatga cactgagatt cctcatggcc actagggttt gggagactca tagtacccca   60
attaacagca tgagttntac tggttgttct gttctcccta gataaaggcc ctttgtactt  120
tctgtatctc gtcttcttct aggtgtcttc cttaagagag gaaccacctaa atgtgccccca  180
aagtcattgc ctctgaatat ccccgacact gccaccaagg atgttttggt atgcagactg   240
acattttttg agaagtatat ttgagtcttc tccttgctca cttcttgact tgacatttca   300
caaaagaggt tcattgtgtc ttgaacacac tgcattctgag agatnttagc ttgactacaa   360
aggagcaagt catcagcaaa cagatgagaa ataggaggac tattcctccc catactatga   420
ttatntacat tataagattt aatgtgacaa taaaacctaa aacgctgggc cttatttata   480
ctaagaatcc taattaa                                     498
```

<210> 10679
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10679

```
gctaaacatt caacttcgag cgtctcgata tattacgagt ctcaatcata catccgagan   60
aaaagttatt gtcatttgaa tntgctcaga ggttcaacat tcaatttcga gcgtctcggt  120
atattacagg actcaatcag acattcgagt aaaaagttat tgacgtttga attagtcaga   180
gcgttcacac ttcaatttcg agcgtctcga tatattacgg gcctcaatca gacatctcga   240
gtaaacgtta ttgtcgtttg gattggctca gagattcaac attcaatttc gagcgtctcg   300
atatatgacg agactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc   360
agagcttcaa cattcaatnt cgagcgtctc gatatattac aggactcaat cagacatccg   420
agtaaaaagt tattgtcggt tgaattggct cagagcttca acattcaatt tcgagcgtct   480
cgatatatga caggactcaa tc                                     502
```

<210> 10680
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10680

agtcttgaac caattcaaac gacaataact ntntactctg atgtctgatt gaggcccgta 60
atatatcgag acgctcgtaa ttgaatgttg aagctctgag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtcctgt catatatcga gacactcgaa attgaatggt 180
gaagctctga gccaatcaaa acgacaataa ctttttactc ggatgtctga ttgaggcccg 240
taatatatcg agacgctcga aattgaatgt tgaacctttg agccaattca aacgacaata 300
actttgtact cagatgtctg atagagtctc gtaatatatc gagacgctcg aaattgaatg 360
ttgaagctct gagctaattc aaacgacaat aactt 395

<210> 10681
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10681

tagagtggca tactcttatt ggaaatcaac ttgttacaaa attaanagtt ntaaggactg 60
acaatggcct gcagtttgat tcagagcaat ttaatgagtt ttgcaggaaa gtatgtatca 120
aaaggcacaa aacagtttct acacaccaac aaaatggatt agcagaaaga atgcataaga 180
ccattttgga aagagtggagg tgcattgctgc ctattgcagg actgccaaag accttttggg 240
gagaagctgc aaacacaaca acctatgtga ttaatagatg tccatcatca gctttagact 300
tcaagacacc aatggaagct tagagtgggtg aaccacctga ttactcaaga ttgaagggtg 360
ttggatcact ggccctttgct catgtttaaac aangaaatgt ggatgcaaag gctgtanagt 420
gtgtgttcat tatctat 437

<210> 10682
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10682

tcatgagaga gtcaaagatc aaattgagag gagaaattaa agctatgcta aacaagccaa 60
canaggaaga aagaagggttg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120

agaaaggttt cctgaacaaa ggatatcaaa gcttcaacca aggggaatgg accatttgtg 180
 cttgaaagaa tcaatgacaa tgcttacaaa gttgagctgc ccggtgagta taatgttagt 240
 tccaccttca atgtctctga tttatctctt tntgatgcag atggagaatc cgatttgagg 300
 acaaatcctt ctcaagaggg agagaatgat gaggacatgt tcaagagcaa gggcaaggat 360
 ccacttgaat gacttgagg acctatgaca agggctagag caaggaaagc caatgaagct 420
 cttcaacaag tgctgtccat actatntgaa tacaagccca agtt 464

<210> 10683
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10683

cagctagaat gttaggacgg tatcaaagta atctatgaat ggtacattcg anaactacaa 60
 agaaggttct aagatactta caaggaacaa aaagtttgat gcttacatat aggaggtttg 120
 atcaccttca ggtgattggg tatttagact cgaacttgct caatgtgcag atacaaggaa 180
 atccaccctt ggttatgtac ttcttttagc caaaggagta atatcatgga agagtgcaaa 240
 gaaacctatt gttgctacat tcattatgga agctgaattt gtagcatggt ttgagactac 300
 aattcaagct aattggcaac aatattgtca agccgctaaa aatatattgt aataactcca 360
 taacagtatt nttctctaag aatgacaagt actctaaagg tgctaaatat atggaattaa 420
 agtaatttgt cctgaaagaa gtacagaaac aaaaaatgtc aatagaaatt 470

<210> 10684
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10684

tgagcanatt cgaacgacaa ttacttttaa ctgggatgtc tgattgtttc ccgtaatata 60
 tcgagacgct cgaaattgaa tgttgatggc cggtgcaaat tgaaacgaca ataactgttt 120
 actctgatgt ctgattgagt cccgtaatat atcgagacgc ttgaaatgaa tcttgatgct 180
 ctgagcaaat tcaaacgaca ataagctttt actcggatgt ctgattgagt cctgtaatat 240

atcgagacgc tcgaaattta atacgagagc tatgagcaaa ttcgaacgac tataatTTTT 300
 tactcggatg tctgattgag tctcgaaata tatcgacacg ctcgaaattg aatgttgatg 360
 ctctgggtcga ttcaaacgac aatatatTTT ctgccaacat tgcagaattt ntatacatac 420
 actggtctat aatatctctt tatggtagac gaagTTTTgt 460

<210> 10685
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 10685

agatagggca tgctcgatgg cccttaacac tgtattcatt caaataccaa tatgcttgga 60
 agtcattatt ggtaccaaat tacatccac aacttgaatg ttttatttcg ataccatga 120
 aacactacaa ttctctattc tacaactttg tcagtcttta tctatggacc gagataaaca 180
 tcaatatcat ttcttggttc gcttggtgct gatatcatca ttgacaacat catgtattct 240
 tgtttcatgc acaaccaagg aggcaacgtg tatattacta acataacagg ccacatacta 300
 tgttgagtac ttaaactatc atatggattc att 333

<210> 10686
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10686

tttgtgaagt gatttgccgg atatgttgat gatagaanaa gtactaccgg anttgtattt 60
 tttatgggtg attggtgttt tacatggagt tctaagaaac aaggcattgt gacactttct 120
 acttgtgaag cccaatatgt agctgcaact tcttgccat gtcatgccat ttggctaaga 180
 agaaatgtgg aggaaccttc agtggtgcca taagaaagca ccaagatcta tgttgataat 240
 agatctgcat aagagcttgc caagaatccg gtgttccatg aacgaagtaa gcatatagat 300
 acaaggatc attttattag agag 324

<210> 10687
 <211> 244
 <212> DNA

<213> Glycine max

<400> 10687

atggagtagc ccgaagctta tgctgcagac atttacaata gacctcctta acctcagcag 60
caaaatcacc acaacagaac aggtatgacc tctctagcaa aagatacaac cctggatgga 120
ggaatcacc taatctcaga tggcttagcc ctgagcaaca acaacagcag cctgctcctt 180
ccttacaaaa tgctactggc ccaagtagac catacattcc tccaccaagc caacaacaac 240
aaca 244

<210> 10688

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10688

agcatgggct catgaacgca cacctttggc taattttatt tgatggagag ataaaccaat 60
ggctcttttc attgtgcaag caagattggg tggactaacc cactttttcg gagggatatat 120
atttacttat gcagccttct taattgcctc gacttcgggc aaatttgggt aatttcatta 180
attctttatt attatatctg gcatatcatt tccttttatg gggaanggac gccattata 240
catctaggat ccgacttcta tcattgatac taataggaaa tgaaccacta tggcaaggaa 300
aagtgtgat 309

<210> 10689

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10689

tgggtggttga gtcatatata cagtttcttg aaggtctcca tgcaaaaagg cattgttgat 60
atccacttga tgaataggcc aatgttgata aaccacaaag gacagaacag atctaactgt 120
tgctggctta atcactggac taaaggtttc tttaaaatca aaccctctc tttgatgata 180
cccttttgct accagcttgt ccttgtgcct ttgaaaacgt ccatcagcat taaacttgct 240
tttaaacctg catgttctc tttcatagct ttgagccatt ctggcttggc cattgcttcc 300

tttatagtat gtggctcaac aatgtgatca tagcttcctt ccttgtaaga agcataagtt 360
 ttcgggttaa aaacaccagc tttggctctg gttgtcatgg gatgagtatt ntgaggaaca 420
 taactngcaa tgggag 436

<210> 10690
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 10690

ccaagcttat gctgcaaaca tttataatag atcccttcaa tttaaaaacc aacaacaata 60
 gaataattat gatctttcaa gcaataaata caatccaggt tggaggaatg atccaaatct 120
 gagatgggca agtcctccac aacaacaaca gcctatccct cctttccaga atgttgctag 180
 tccaagcagg ccatatgttc ctctccaat gcagtagcaa taacaacagt aacaacaaag 240
 acaacaagca actgaggccc cttctcaacc ttccttagag gagttagtga ggcaaatgac 300
 catccaaaat atgcaatddd agcaagagac aagagcctcc attcagagtc tgacaaatca 360
 aatggggcag at 372

<210> 10691
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 10691

gtatcaaatt caaacgacaa taacgtttta ctcgatggtt tgattgcgtc tcgtaatata 60
 tcgagacgct cgaaattgaa aacggatgct cgtagcaaat gcaaaccgca ataactttta 120
 actcgatgt atgattgagt accataatag atcgagacgc tcgaaattga aaaaagaagt 180
 tctgagcaaa ttcaaacgac tataactttt tactcgatg tctgattgag tcccgtata 240
 tattgaggag cacgaaattg agaacagaag ctctgaccat aatcaaacca aaataacttt 300
 atattcgat gtgcgattga gtcccgaat atatgaagac gctccaaatt gaaaacagaa 360
 gctctgaaca aattcaaacg acaataactt tttactcgga tgtccgattg agtcccgtaa 420
 tatatcgaga cg 432

<210> 10692

<211> 360
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10692

agctntgagc caattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 60
 atatatcgag accctcgaaa ttgactgttg aagctctgag ccatatcgag aactcga 120
 ttgaatgttg aagctctaag ccaattcaaa cgacaataac ttttctctcg gatgtcctat 180
 tgagtcccgat aatatatcca gagctcgaa attgaatgtt gaagctctga cccaattcaa 240
 acgacaataa ctacttactc ggatgtctga ttgagttctt taatatatcg agacgctcga 300
 aattgaatgt tgaagctctg agccaattcc aacgacaata actttttact cggatgtttg 360

<210> 10693
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10693

tgttaaaata gtttgtttgg ttcaaattatt tagagatcgt tacaatactc agtttcaaaa 60
 atatgttaac taaattatatt ttttatctag aactactaaag tttagttcac taaattatatt 120
 ttatatagaa cactaaagtt taatgacttt atttgtctat tgaaaaaata cagtggtaaa 180
 ttatactctc tttttatatt cttaattata aaattttttc aactaattca tacctcttaa 240
 gaaaagtaat tagttttttat ttaatcacat taaatttgct aattaattgt taaatcattt 300
 caaaattact tttttttttt agagaaaaaa ttacattcat cttatcttta tccacttaat 360
 tatttatana ttaattattg agaaagacnt aataagaaag ggtatgtaag acaaatataa 420
 ttaatgcac tagaaat 437

<210> 10694
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 10694

agcttcttta ggtgtgattc ccttaagctc tttgttgaa tttgttcaa aatacagtta 60

gtagtagata cgccttcccc aaaagtaata aggcattctt ttccttttca tcatgcttct 120
gcccaagttc cgaaatgtca tttttctttt ctcagcaaca ccattatgtt gaggtgtgta 180
aggggctgcc acttcatgag ttttaccttc atcaccacaa aatttctaaa attcatgtga 240
attgtattct ccatttggtc taagaacctt aattactttc ccaccttgtt tttcgacctg 300
tagtttgaat ttcttaaaga tctcaaacgc ttcactcttc ttattgataa gataaatcca 360
tattttctag taaactcatc aacaaaagaa acaaagt 397

<210> 10695
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10695

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ttcaaaattt cacgtaaagt tattttatta ttttgaacat aattttttta tagttttata 120
cttataatat aaaatcattt atactttgat gtaggaaaga agcttgacaa acaaagctaa 180
tagaagcaag caagaaataa aatcaattat tggcacaaaa atcaatcatg caaaaggcat 240
ttgaaatggg aacatctttt aatattttat attcattttc ttataagtta tataataata 300
actctttttt tttgttattg tttttatatg atatatgaaa gtttggtgaa atttatataa 360
aagcatcatg cattagatta tactgttttt atattattta atttgtctnt tactatattt 420
aattttaata aaaagaaga 439

<210> 10696
<211> 389
<212> DNA
<213> Glycine max
<400> 10696

agctttttat tttcagcata tgaagattaa tctgtggcca ccacatggac tcctctaagg 60
acaataacat catttcttgc actgaattga tgggagtggg aagccatctt ctcaatcaaa 120
ttcctatcct caacaggagt catatcacca agggctccac cactggcagc atcaatcata 180
ctcctctcca tgttgctaag tcctcatag aaatattgaa gaaggagtgtg ctcagaaatc 240
tggtggcgag ggcaacttgc acacaatttc ttgaatcttt ccagttactc atacaagctc 300

tctccactaa gttgcctgat gcctaaaatg tcttttctga tggcagtggc cctagatgca 360
 gggaataatt tctccaagaa caccctctg 389

<210> 10697
 <211> 435
 <212> DNA
 <213> Glycine max
 <400> 10697

cgcccttgcc tgatccagat tatgaggtac atattgacta tttttggggg tgtgaaggtc 60
 ttaagaaaac catttggaac cttatgaatg gtgatgagaa cagccccatt gaggaagatc 120
 tcaaatccag caatgcacat tgcattctat acaaaataaa ggatcttagt aaggtataaa 180
 tcaacatgac atttaccatt atattaatct acataatggc tagctggggc cactaagaga 240
 taaatgataa tcatgtgtat taaaattcag gcaaaaaaag ttgatgagtt gaggcagaag 300
 cttacgatga gaggtctacg ttgtcatcct atgtactgca gggggtcacg tagaatgcat 360
 gtgattcctc ttcttgcacg tagagcccag gcaactcacg aattaccact tcatccttaa 420
 cttctaattt atatt 435

<210> 10698
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10698

cttaccacca taggaagcca tggataatag tttgaatgaa ggaaaagatg agtggaggga 60
 gagggagaga atgagcacia aattttgtgc ctcaaagag gtatgaactt tgaagtgtaa 120
 ttctaaaaag atcaaagttg aaaaaatgca cacacatgac ctctatttat agcctaagtg 180
 tcatacaaaa ttggaggga atttgaattt ctattcaaat ttacttgaa ttgaaattg 240
 aattttgtga gccaaatttt ggagccaaaa tttcactaat tatggttagt ggaatttagc 300
 tatggttcat cccactaatc caagatcaag tccaagattc tccactaagt gtgcttaggt 360
 gtcattgaggc atgtaaagca taaaggacat gcacanagag tgattatatg atgtgac 417

<210> 10699

<211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10699

gaatgcactg ttcaatggag tagacaagaa catcttttga ctgatttaca cttgcacagn 60
 ggccaaagat gcatgggaga tcctgaaaat cactcatgaa ggaacctcca aagtgaagat 120
 ttccagattg caacatctgg ctacaaaatt cgaaaatctg aagatgaagg aggaagagtg 180
 tattcatgac ttccacatga acattcttga aattgccaat gcctgcactg ctttgggaga 240
 gaggataaca gatgaaaagc tggtgagaaa gatcctcaga tccttgccta agagatttga 300
 catgaacgtg actgcaatag aggaggccca agacatttgc aacatgagag tagatgaact 360
 cattggttct cttcaaacct ttgagctatg actc 394

<210> 10700
 <211> 411
 <212> DNA
 <213> Glycine max
 <400> 10700

gcttcttcat tcaggtatcc attcagatac gcgctcttca catccatctg gtacagcttg 60
 aatttgagga agcaagctac accaagtaac aatctgatgg actcaagtct agcaacaggg 120
 gcaaaagttt catcaaagtc tacaccttca atctgagtgt agccttgagt aacaagtctg 180
 gccttgtttc tggttataac accatcttca ttggttttgt tcttgaagat ccacttggtg 240
 ccaatcacat tagttccctc gggcttagga actagctccc aaacttcatt ccttttgaat 300
 tgctccaatt cttcttgcac agcattgatc cagaactcat cagtttagtgc ctctttcaca 360
 ttcttgggct caattatgga gacaaagcat gaattggaga caatctcaat c 411

<210> 10701
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10701

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aatttttcat tacaaaataa tgtattaact ctatgtttta tagcttcata tacacaaatt 120
gctaatacatt tgagtactaa attaactatg gtaaattaaa taaaaaatat atgacactat 180
aatcaaatat atgttttgta tataaatgaa atgttcaagt tatatttatg ttcattgtaa 240
tgttcaagta atgtttgaca attatgatac attcatgaag catataagtg aaatgttgta 300
tgttttagcac tcaactaagac cctgtctcat tagtttagtg tgtatgttcc ttaggttaaag 360
agatctagtc caagagcata caagtgcaaa gcataatt 398

<210> 10702
<211> 450
<212> DNA
<213> Glycine max
<400> 10702

tgaccctcga gcccattcat gcattcttat tggcttgata ccacatactc aaaggatatc 60
ttgtctatga ccttcactcc cacaatatta tagcatctcg caacatcgtc ttttatgaag 120
accatttttc gttatttcat gaaaaccaag cctcaaacac cacacatacc tctctttccc 180
caactccatt ttcgagcaac cccgaaaatt ttgactctcc tatcacaccc attgtcaacc 240
cgtcttcttc acatgctcac gaccctcacc tacgacgata tacgagaccg aagcatgcac 300
ccacctacct ccaagactac catcgtgata tcaattctct cactgttacc acctcgcccc 360
atgttcggta tcctcttaac tccgtcttgt cttactctcg tctctctcct tcgcttcgtc 420
acttcgtcat gtccatttcg gtatctactg 450

<210> 10703
<211> 374
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10703

ccaagctntg ggactgagga cctatataac attatcaagg ttttagttta gggagttttt 60
tttcggagag gaaaataatt ctaggatttt agaattccag tttttattac tgttcattgca 120
cactgttcac gtagaataaa atttattttt tgcaaatcat ctctaataca tacatctttt 180
aatattatgc tctttttatt ttcttttgat atactttgtg ctttaacgac ttgaattcaa 240
tatgattttg tttatcaatt atttttggat ttatacatta cttatacaaa attttataag 300

tntctttttt tagttaatat ttgactaggt tttaaaataa ttaattaaaag atgtctttta 360
acagactttt aaat 374

<210> 10704
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10704

tgagcaaatt caaacgataa taacttttta ctcggatgtc caaatgtttc ccgtaatata 60
tcgagacgct cgaaattgaa aacaaaagct cgtagcaaat gcaaaccaca ataactttta 120
actccgatat ccgattgagt ctcgtgatat accgagacgc tcgaaatnga aaacaaaagc 180
ttgagcaaat tcaaacgata ataactttta actcggatgt ccaaataaaa cccattgtat 240
atcgagatgc tcgagattga aaaccgaagc tcgtagcaaa tgcaaaccac aataactttt 300
tactccgata ttcgagttag tcccttatta tatcgagacg cttgaaattg aagacagaag 360
ctcgtagcaa atgcaaacca caagaacttt taactgggag gacgattgag tccggaatat 420
atcgagatgc tcaaaattga aaacagaa 448

<210> 10705
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10705

tcaagctagt tntatccaca tagtggatat cttcccatta caaacttggg agtttactca 60
ataatcatcc aaaaacactt tttccaataa tttagttttc tcattgaatt tcaatgcatt 120
tggttatatg aattaataaa ggagaataaa tgaaataaga aaaaaattat tgtttgattt 180
gtaaatgaaa ctgaaatgaa ataaatgttt ttaataagtt ttaatatgtt ttttaagcaaa 240
agtgtgggca acaaaaggat atacttttta gaataaaaaa tacatttttt taatttgtca 300
gtatatcttt atgagcattt aatttgcaat attttggtct ttaaggatat ctaagttatt 360
tctattaaaa aaggatatct aagttattta atgaacatac ctcttctttt tccttattca 420
actaaata 428

<210> 10706
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10706

tcttacaagc atacggctnt ctggatgtag atgatgatat ctatacagat ggatcttata 60
 tatctatata tctatagata gatatataga tatagatata tagatataga tcatacaatg 120
 aagtaccgca cgagtgggta tataggaatc caaatctgcc gaatcactca tgttatgatc 180
 ttctacatcc taggtcttcc cgttccttca tctggcttat gttcttcatg tagcattcag 240
 actgaatgac tctatgaaat tacgtcgcta ctccacatg gtacgggtaa cgtaagagac 300
 atctctatctt ttcccggtgg gaatccttag aattaccaca gcttagcttt caattcgcct 360
 ctgaccatca aatgaaat 378

<210> 10707
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10707

agcttgtgat ttagttnttg atgcagcatg tgagggaaaa caattcttaa ttgttggtac 60
 aaaaaaaaaa gcagcggatt cagtagcacg ggctgcaata agagctcggg gtcattatgt 120
 taataaaaag tggtcggcg gtatgttaac gaattggtat actacagaaa cacgacttca 180
 aaagttcagg gacttgagaa tgcaacaaaa gacggggaga ctcaatagtt ttccaaaaag 240
 agatgccgct atattgaaga gacatttagc tcatttggaa acatatcttg gcggcattaa 300
 atatatgacg gggttacctg atattgtaat aatcgtcgat caacaagaag aatatacggc 360
 tcttcgagaa tgtataactt tggaaattcc aacaatttgt ttaatcgata caaa 414

<210> 10708
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 10708

agcttggact tcctgtgttt tgggaacctc tccttctca ggtgtacca aaccaatca 60
cctggttcaa gcatgacttt ctttctgctt ttgttggctt gccttgcata gctcgcattt 120
ttcttttcaa tttgggcctt cacttgetca tgcaacttct tcacatactc agcttttagcc 180
tgtgcatcct tatgcttaaa catagcaatg ttaggcatag gcaacaaatc aagaggagtc 240
aaaggattaa atccatacac tatctcaa at ggtgaacaat tagttgtgct atggacagcc 300
cgattataag caaactcaac atgaggcaaa caggcttccc aagatttaag atttttcttt 360
aaaacagtcc taagcagtgt gcctaaagtc ctattgacta cctc 404

<210> 10709
<211> 363
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10709

ngcacaatgg aagcagagat gtctntctat ttaggcatga taaccctcat caattctgtc 60
ttaacagccc tccctatcta ccttctctct ttttttagaa tccctaaaca agtgggtgcat 120
aaggtagttt ctattcagag gaactttttg tggggaggag gttctgaggc agccaagata 180
ccgtgggtaa atcgggatat tgtttgtctt cccaagaata aaggagggct ggggattaaa 240
gatatgtcca agtttaatga ggccttgatt ggtaaattgg gatgggactt ggcaaataac 300
cagaatcagc tgtgggctac agttttgatg tccacatatg gtgggtggaa tgctttatgt 360
tat 363

<210> 10710
<211> 372
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10710

agcttaataa atctatatat ggttttaaac aagcttctca ttagtggtac cttaagtttc 60
atgggataat ttcttcattt ggttttgatg aaaaccccat ggatcaatgc atataccaca 120
aggttagtga gagtaaaata tgttttcttg ttttatatgt agatgatatt ttacttgcag 180
ccaacgatcg gggtttgcta cataaggtga aacaatttct ctctaagaat tttgacatga 240

aggatatggg tgatgcattt tatgtcatcg gcattaagat tcatagagat agatctcgag 300
 gtattttggg tctatcacan gaaacctata ttaacaaaat tctagagaga ttttgatga 360
 aagattgctc ac 372

<210> 10711
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 10711

agcttagcaa atggacctgg gtgttgcccta gtttcatcat atcttccata atactcatca 60
 cctctatcat atctaataat tttcacattt atctctaatt gcccttttac ttcattgtag 120
 taaatttcta aagcatccat tgcctaagaa atctcgggca gtaagtagac ataactgtaa 180
 cgtgaataat catcaataat ggtgataaag tatcattcct ttccgaaaga actaacatca 240
 aaaggtccac aaatatcagt atgcacaatt tcaagaagct gagtgcttct ttagctcct 300
 ttctttgtat gggttggttg gtttccttta atacaacca cacaatatatt tagatcccgt 360
 aaatctagat aaggaagaaa ttca 384

<210> 10712
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10712

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 ggtgggctca tggggcactt tgggatagaa aagacccttg tcttactcaa agaaaagttt 120
 tattggcccc atatgaagaa agatgtccat aagcattgca ctagggtgtgt ggcttggtta 180
 caagccaagt ctagggtgat gcctcatggg ctgtacacac ccttaccat cccctctgca 240
 ccttgggtag acattagtag ggactttgtc tttgggcttc ctagaacca aagaggtgta 300
 gactctatct ttgtgttggt ggataggttt agcaagatgg cacactttat accatgccac 360
 aaggtggatg atgcttccca catctcanaa ctctttttta gggaagttgt gagactccat 420
 gggttgcccta ggaccattgt atctgatag 449

<210> 10713
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 10713

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agctttatat cataggattt taagtgatta tgataattcc taataagcga gaacgttttag 60
agtcagtgat cccagcctcc ctaatgaatg gcacatataa gttgggctta gtaaacgggt 120
aacaggcaca atggaacatt gatcactaat ttttttcttt tccattaatg ctacaatcaa 180
cagtaactta tgcggcatat gacaaagaga tccatacctg aatggctaga aatgcagcca 240
tgcaaatgca gttccctatc aagcacagaa ctccaagatg aaaatgggtca aaccaaaggg 300
tctgttaacc accaattaat cattcacatg gctctggctg accttttagca cttatttcat 360
ttgtgttaca tgaatgaatt tagcatattc tatcaaagct 400
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<210> 10714
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10714

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agctntagaa ctagcatgat atgccatgta ttcttcatac acactttcaa gatcaggagc 60
tctttcttct tcataattga aattctgata ccaggggaca gatgtcgtac cggatgtcac 120
gacatcacgc ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtta 180
ataacaccag agaattgttt acccagttcg gtgcaacctc acctacatct gggggctacc 240
aagccaggga ggaaatccac tctcaatagt gttagttcaa ggtctaacag ccctgttta 300
caaccttctc acctaacac taccgtgcg atctctacct aagagccact cttagatatg 360
agaacctgcg ctactccct ctactcaca c 391
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<210> 10715
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 10715

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agcttctgtt ttcaatttcg agcgtcttta tatattacag gactcaatcg gacctctgac 60
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tcaaaagtta ttgtcgtttg aatttgctca gagcttctgt tctaaatddd gagtgtctcg 120
 atatgttacg tgactaaatc agacattcaa gtgaaaagtt atttcggttt aactttgcaa 180
 cgagcttccg ttttcaacta cgagcgtctc aatttattac gggactaaat ctgacatccg 240
 agtaaaaatt aattgtcgtt agaattttct taaagcttca gttttcaatt ttgagcatct 300
 cgatttatta cgggactcaa tcagacgtcc aagtaaaaag ttattgttgt ctgaatatgc 360
 actgagattc tgttttcaat tctgagaatc tcgatatatt acgagactca a 411

<210> 10716
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 10716

agcttcaccg gagagaatat cgcaaacctc tacaggaact ctgctcgtgg attcgagggt 60
 attgacaaca ttaaatacgc cgtggagaaa gtgtgtccag gagttgtttc ctgcgcagat 120
 atccttgcca tcgctgccag agactctgtt cagattgtaa gtgggtcaaac aaccaacaaa 180
 aacacattaa actaaatcat taaattgtac atatcaaaat taattaccaa tttagtagca 240
 cacatgcaat taaagagaac attttgttga ttttgatcaa tatagcttgg aggccctaca 300
 tggaatgtta aacttggaag aagagacgct agaactgcta gccaatctgc tgctaacaat 360

<210> 10717
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 10717

tatagaatat ataataaaag aacaatgaca attgaagagt ctatacatgc ttcttttgat 60
 gagtctaattg ccattcttac aaggaaggat tttttagatg atatttcaga ttcttagaaa 120
 gatacacata ttcatggaaa tgactctaaa gaaaaagatg aaggaagcaa tgaggattct 180
 caagataatg gggctagagc aaataatgaa cttccaagag aatggaaagc ctcaagagat 240
 catccccctg acaacattat tggatgata tctaaagggg taacaactag acattctctt 300
 aaaggtttat gcaataatat ggctttttgta tctatgattg aacctaaaaa tataaaagaa 360
 gccatagtag atgataaatg gatcattgcc atgcaagaag aactgaatca atttgaagaa 420

acaagt

426

<210> 10718
<211> 396
<212> DNA
<213> Glycine max

<400> 10718

tctgttttca attacgagcg tctcgatctt tacgagactc aatcggacat ccgagtcaaa 60
agttattgtc gtttgacttt tctcagagct tccgttttca atttcgatcg tctcgatata 120
ttacagggct caatcggaca tccgagtga aagttattgt cgtttgattt ttctcagagc 180
ttccgttttc aattacgagc gtctcgatat cctacgggac acaatcggac atccgagtga 240
aaagtattta tcgtttgaat ttgtcagag cttcagtttt aaattacgag cgtttcgata 300
tattacggga ctcaatcggg catccgagtt aaaagttatt gtccgttgac ttttcttaga 360
gcttccgttt tcaatttcga gcgtctcgat atatta 396

<210> 10719
<211> 343
<212> DNA
<213> Glycine max

<400> 10719

agctttgaga aaaatcaaac tacaatatgt tttaactcgg atgtcctatt aagccctgta 60
atatatcgag acgctcgaag ttgaaaacgg aagctcctaag aaaagttcaa caacaataac 120
ttttaactcg aatgtccgat tgagtcccgat aatatatcga aacgctcgta atttataaca 180
gaagctctga gcaaattcaa acgacaaaaa cttttaactc ggatgtccga ttgagtccta 240
taatattattg agacgctcga aattgaaaac ggaagctcta aaaaaagtca aacgacaata 300
actgttgact cggatgttcg attgtgtccc cgttgatatt aag 343

<210> 10720
<211> 415
<212> DNA
<213> Glycine max

<400> 10720

tgtagggcct tgatcttctt cattaataga gtcttttgct tcttgaagat caatggaagt 60

ggaatagaga aggaggaaa gtgattggag atgccacttc aaggagaaga tgagtcaaga 120
acaagctcac taccatagga agccatggat aagagcttga aggtaggaga aaatgagtgg 180
agggagagggc agagaggggg gaacaaaatt tatgcctcaa atgaggtcag aactttgaag 240
tctaatttct caaatgatca aagttgaaaa aattcacaca caaggcctct atttatagcc 300
taagtgtcac acaaaattgg agggaaattt gaatttctat tcaaatttat cttgaatttg 360
aatttgaatt tttggaagcc aaattggagc caaaatttca ctaattatga ttagt 415

<210> 10721
<211> 321
<212> DNA
<213> Glycine max

<400> 10721

tctacattca agttcgagct tttctatata ttacgggac tctatcggac atccgagtta 60
aaagttatag tagtttgaat ttgctcacgg cttccgtatt ccatttcgag cgtctcgata 120
tattacggga ctcaatcgtg catccgaaga aaaagttatt gccgtttgaa tgtgctcaca 180
gcttcggcat tccatttcga gcatctcgat atattacggg actcaatcat acatccgagc 240
aaaaagttat tgaaatttga atctgctcac ggccttggtta ttccatttcg agcgtctcga 300
tgtattacgg gactccatca g 321

<210> 10722
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10722

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agaagaatgt ggcatttacc tgnngtgaaa aacaagagca agcctttact ttgctcaaag 120
aaaagcttac taaggcacct gttctagctc ttccgtgactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240
cttatttttag tgaaaaactt catagtgcc cctcaacta cccacctat gataaagagc 300
tgtacgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aagggaattg 360

tcattcatag tgatcatcaa tcacttangt acatt

395

<210> 10723

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10723

cgcttattcc atgcaactaa tataatatga tagatttgac atatcaatat gataccaata 60

aatatgcaaa ataacaatat gatagcaata catgatagat ctgacataat aatatgagtt 120

tgtagcaca aacacaggaa taaagagaat tctctcaaac aaaaagtaat tggtagaaaa 180

attcttatac atgtaacttc caaactaata aaggcttctc taatataata tgatagattt 240

gacataacaa aatgatacca ataaatctgc aaaacaacaa tacgatacan atacatgata 300

gatttgacat aataatatga gtttgtagc acagacacag gaataaagaa gaattctcta 360

aacaaaaggt gattggcact gaaattctta tacat 395

<210> 10724

<211> 499

<212> DNA

<213> Glycine max

<400> 10724

ttgtatggta ggaggtgtag gacacctcta tgttggttag agcccaaaga aggccttacc 60

ttagggccag aagtgtgaca acaaaccacc gagaaagtca agttaatcca ggaaaggatg 120

aggaccgctc agagtaggca ggaaatttat catgataaga ggaggaaaga tctggaattc 180

gaggttggtg atcatgtatt cttgagagtc actccgtgga ctgggggttg tgcagcattg 240

aatcccgaa aactcacacc ttgctttatt ggtcctttcc aaattcttaa gagagttggc 300

cctgtggcat accaaattgc attgcccccg tctctttcta atcttcacaa tgtctttcat 360

gtgtctcaat tccgtaagta tatccatgat ccatcccatg tgattgaatg ggatgatgta 420

caagtgaagg agaatttgac atatgaaaca ttgcctttga ggatcgagga taggcgaaca 480

aaacacctat gagggaaag 499

<210> 10725

<211> 518

<212> DNA
<213> Glycine max

<400> 10725

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tttttcaatg ttggaggcaa atcactgtac cttgtttcag acactcccca tgatattttg 120
agatgtttta gtgccgacaa ctctcccaag ctttcaaact ccccatcttt gataacagcc 180
tcacttccta tatgtatgct gagtctcctt agttctttca aattctaaag atcagatatt 240
ctgcagggag tcttttctaga agtacttatg acaaatccct tgagaacttg gagattttgtg 300
agcttttcaa tccccttttg catgccctcc aaaaagtaac actgggatac aatgagatgt 360
gtgagatgtt tcattgatga aatataatta ggcagtgttt ccaagttgtg gcaagctttg 420
agatcaagaa tttctatgct ctcaagtga gcaatggacg gtggaagctc agatattctt 480
gatatccac gaaggctaag ataaaacaac gtcttttag 518

<210> 10726
<211> 487
<212> DNA
<213> Glycine max

<400> 10726

tgccgccacg gagttttccg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tggttgatac atggacagag atgaaaaaga tcatgaggaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccce 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgcgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttt acaaagcaat 360
ccaagtggag caacaattaa aaaggaaagg agtggcttac aggagtttta ccaactttgg 420
ttcttctagt tggaagaca aaggtaagaa agatgggggc tggtaacttct agtagtttca 480
cacctta 487

<210> 10727
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10727

agcttgccgc cacggagttt ccgactatgt ttttgtgggg nggaacaagc tacaaaagga 60
gagagcaaga aatgaagagc caatggttga tacatggacg gagatgaaaa agatcatgag 120
gaagcgggat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180
ccaaggcaac aaggggggttg aggagtatth caaggaaatg gatgtgctca tgattcaagc 240
aaatattgaa gaagatgagg aggtactat ggctcgattt cttaatgggt tgactaatga 300
tatccgtgat attgttgagc tgcaggagtt tgttgaaatg gatgatttgc ttcacaaagc 360
aatccaagtg gagcaacaat taaaaaggaa gggagtggct aagaggagtt ttaccaactt 420
tggttcttct agttggaaag acaaaggtaa gaaagatggg gctgctactt ctagtagttc 480
cacacctatc ccataaaaaa ctgcttaga gtcccaagag gaacccttta aaaggggggg 540
g 541

<210> 10728
<211> 307
<212> DNA
<213> Glycine max

<400> 10728
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acgagacgtc ttgccaaaca aagtcagggt aacgataact cgcctatgct ttttcttcca 120
ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccca 180
aattatactg tgccagttgg agatgtatth tccccctgct ttttttgaca tcatgattca 240
cttgattgtg catctgatca gagaaatcaa atgtttgtgg tcctgtttat ctaccgtgga 300
tgtacct 307

<210> 10729
<211> 524
<212> DNA
<213> Glycine max

<400> 10729
aagcttctgg tgggacagtc tagacttgcg ttttctatct gacattcacc acagattctg 60

ccttcttctta ttttcagatt gggaatgcct ctaacagcac ttttgtcaag gattttcttc 120
atgcctctta agtgcagatg tccaaacctt tgatgccata ttctgacttc atcttctatg 180
gtggatagac atgtggagga gtagctggtt tcttgggggtg tccataggta acaattgtcc 240
tttgatctgc tgcccttcat tagaacttca ctcttttcat ttgtcaccaa gcattctgac 300
tttgtgaaga ttacattgaa accttcatac acagctgact gaagctatat atgtttgcag 360
tctgttcctt ttaccagcac tactttgttc atactatgaa gtccatcctc aactagcttt 420
tccattccaa tgaacttttt ctttatagcc atctccaaat gtcacattac tagtgtgacc 480
gggctcaatg tttataaagg aatcttttga ctccctgtct gtgt 524

<210> 10730
<211> 444
<212> DNA
<213> Glycine max
<400> 10730

agcttgaagg taaactagag gccacggttt atctggtgag ccaactggcc atgaaacaaa 60
aatctgcacc tgacgccaca ctctgcggat tatgcccctc tgccaaccac cacacagatc 120
tttgcccatt tgggcaacaa tctgaaacaa ttgaacagcc tgaagcttat gctgcaaaca 180
tctaaaaaaa acctcctcaa cctcagcaac caaatcagcc acaacacaaac aataatgacc 240
tctccagcag cagggacaat cccgggggga ggaatcatcc caaccttaaa agggcaaadc 300
cttcacaaca acagcgacaa caacaaccac aacaccaacc ctattttcag aatgttgctg 360
gcgcccagca gaccatacga tctccacca aaccagcaac aacaacaacc acagcctcaa 420
aaacagcaaa cagctgagag ctcc 444

<210> 10731
<211> 417
<212> DNA
<213> Glycine max
<400> 10731

ttcaaaaaac gtcgatgcc agtgtatact ttttttcttc catgttttag ttgtacatag 60
cttgtgtctt cttcatagat agggcatgca caatggccct taacactgta tccactcaaa 120
ttctcacatg ctggaaagac attaatggta caaaataaca ttgcacacaa ctcgaatgtc 180

acattttaat acccatcaaa cacagcaacc cctcgtccc acaagtgt caagtcttta 240
atcaagggac tgagataaaa atcaatgaca ttttctgggt gtcttgggcc cgatatcatc 300
atagacaaca taatgtatgt ttgcttcacg cacaaccaa gaggtaagtt gtaaattact 360
aacaacaaaaa gcccacaaact gtgatgagtg tttaaactcc cataccgatt ctttcca 417

<210> 10732
<211> 406
<212> DNA
<213> Glycine max

<400> 10732

tcggtatgca attttgagag tctcgatatt ttacgggact caatcagaaa tccgagcaga 60
aaagttactg tcatttgaat ttactcagag cttcgataat caatttcgag cctctcgata 120
tattacagga ctccatcaga cacccaagta aaaaagttat tgctgtttga atttgctcag 180
agcttcagta ttcaatttcg agcgtctcga catattacgg gactcaatca aacatccaat 240
taaaaagtaa tgggtcattgg aattggctaa aaccttgggc cttaaatcc aagcgtttca 300
ataattaacg gaattaatcc taccatccga gtaaaaactt attttcgttt gaatttgttc 360
aaagcttcgg tttttatttc caaagagttg gatataattat ggggct 406

<210> 10733
<211> 525
<212> DNA
<213> Glycine max

<400> 10733

agcttctttg agaaaacttc cttgagtttc tagagcttag ctacacacac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ataaacaagt tagagcttag 120
ctacacatac ctgtctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacacccc ctataatagc taagctcacc cccatgacaa aaaacatgaa aatacaaaaa 240
aaaagtcctt actacaaaga ctactcaaaa tgccccaaaa tacaaggcta aaacattata 300
ctactagaat ggccaaaata caaggcccag aggaaggaaa aacctattct aatatttaca 360
aagataagcg ggctcactact tagcccatgg gctcgaaatc taccctaagg ctcatgagaa 420
ccctaggacc ttcccttgga tctctagccc aatcgacttg gagtcttcta cccaatgccc 480

ttgcggggta ggattgcatc aaataggtaa aaagcgttgg gtctt

525

<210> 10734
<211> 260
<212> DNA
<213> Glycine max

<400> 10734

tcttacaaag catacggctt tctggatgta gatgatgtat atctatacag atggatctta 60
tatatctata tatctataga tagatatata gatatagata tatagatata gatcatacaa 120
tgaagtaccg cacgagtggg tatataggaa tccaaatctg ccgaatcact catgttatga 180
tcttctacat cctaagtctt tccgttcctt catctggctt atgttcttca tggagcattc 240
aaacggaatg actctatgaa 260

<210> 10735
<211> 499
<212> DNA
<213> Glycine max

<400> 10735

agcttcaaga gtatttaatt ataagatddd gatcaataat ttcatttttt atttacttgg 60
taagtaattd catagttgat taaaaacatt aagatttcat aaagtatact aaattaaata 120
ttgaataata taagtttgtt acgtctaaaa ccttagagtt gttgtcacgg ctttgcactt 180
aaaaaagata aagataatgg atgcaagtaa ggagatatag gtacccaaca agtaaagaaa 240
tggaatttgg agttattacg tgcaaaaatt actggtcgga tagttatttt ttctttccaa 300
atgcgagtag aaaaataaat actatggtac tttattcaaa cctttttcat gttctatcca 360
gcttatttta ggaattacaa atttgtgatc aattataaat agaagatcaa tgtgaaccag 420
acagaaataa atagaacatc atgaaaaaaa tcgaaatcta tagaggatca atattttaga 480
gtaattttga ttactagat 499

<210> 10736
<211> 317
<212> DNA
<213> Glycine max

<400> 10736

tcgtgaagca agctccaatg atgcaagttt cgtgaatcta agtgagatgc ttatgtccac 60
 atctaataat atttgttgga agtgtgtctt tggaagaac tttacaagaa aatggtacaa 120
 cagtgtgaaa aatttagcga gggaggctat gattcatctt acagctttca cagtgagaga 180
 ttacttccca tgggtgggtt ggattgatgt tcttactgga aaaattcaga aatacaaggc 240
 ccttgcttga gcaatggatg ctttgtttga tacggcaatt gcagaacatt tggcttgaaa 300
 aaaggaaagg tcaacac 317

<210> 10737
 <211> 455
 <212> DNA
 <213> Glycine max
 <400> 10737

agccaaatct agatatacct cagaacaata tatttttgtc accacgagat atattgacag 60
 cggcggatca tctgattgga acgaaattcg gaaagggat acttgacgat ataaatcatt 120
 tgaaaaataa acgtattcgt tcggcaacaa atctattaca agatcaattt ggattggccc 180
 tggttcgttt agaaaatatg gttagaggaa ctatatgtgg agcaattaga cataaattga 240
 taccgactcc tcagaatttg gtgactacaa ctccattaac aactacttat gaatcttttt 300
 ttggaataca tocattatct caagtttttg atcaaactaa tccattgacc caaatagttc 360
 aatgggagaa aattgagtta ttcgggcccc ggaggaatga cggggcgaac cgctagtttc 420
 tggatacgaa atatccccc taatcactat ggacg 455

<210> 10738
 <211> 519
 <212> DNA
 <213> Glycine max
 <400> 10738

tgccttgccc cttgatatat tagttggact cttttttcac tatgaatgac aaattccttg 60
 ggataaagggt agtgttgcc a tgtttttaaa atccgtacta aggcatacca actccttatc 120
 ataagttgaa ttagttaagg gtaagaccac ttaacttttc actaaaataa gcaattggat 180
 ggccttcttg catcaacaca gcccgaatcc caacatttga agcatcacac tccatttcaa 240
 aagaattttt gaaagtttgg caacgcaagt atgggggcat taattagctt ttgcttaaaa 300

acattgaaag cttcttcttg tttctctccc catttgaaac ccacattttt cttgagcact 360
 tcattgagag gtgctgccaa tgtgcttaaa accttcacaa aatctttata aaaactttct 420
 taaccatgaa aaactttctca ccctcgggtca cagacttttag gtgtaagcca ttttttgaat 480
 aagccccata ctttcttctt attaaacttg cacttcctt 519

<210> 10739
 <211> 492
 <212> DNA
 <213> Glycine max

<400> 10739

tcatgatgaa tcaagattga ttcaaagatg ttttgatgat aacaaagatg atgacaaaagg 60
 tgatgaaaaa aagctcaaag gtcaatcaaa gaatgagttc aagattcaag actcaagatt 120
 caagaatcaa gagaagactt aatcaagata agtatgaaaa gggttttttca aaaactaagt 180
 agcacatgga ttttttctca aaacatgttt accaaagagt ttttactctc tggtaatcga 240
 ttaccagatt gttgtaatcg attaccagta gcaaaatcaa tttgaaaaag ttttcaaagt 300
 aatttacaac gttccaattg atttcaaaaa agttgtaatc gattacaatg ttttggtaat 360
 cgattaccag tgtctttgaa cgttgaaatt caaattcaaa tgtgaagagt cacatccttt 420
 cacataaaaag ctttgtgtaa tcgattacac tgatttggtta atcgattacc aatgattgct 480
 tctgaataaa tc 492

<210> 10740
 <211> 509
 <212> DNA
 <213> Glycine max

<400> 10740

agcttttcat ttgatccagc agaggagggtt tataacaact atttcactca agtcacaccc 60
 acggaactct ggcacaagag acttggccat tgccatcttg aaagaatgct aaacatgaaa 120
 aaaaaggaaa tatgcgaaaag aaaatttgaa gaagtttcaa atggaggaat gcaaattctat 180
 tatcacacca atgaatcata aggagaagtt taccaaggaa gaaggtgttt ataacattga 240
 tgaggatatt atgggagctc gattggatgt ctaatgtatc tcactacaac aaggccaaac 300
 attctatttt ctcaaaagaa caaaactaga atttttgttg acaatcaagt agccattgct 360

attgcaaaca atccccgtgtg tcatgggaag actaaacatt tcaatatcac ggtctattat 420
 ttgataaaaa tgcaacaaag tggagaaggg aacttaattt actgcaagtc taaagatcaa 480
 ctggctgact tgtttacaaa gtcaactacc 509

<210> 10741
 <211> 269
 <212> DNA
 <213> Glycine max

<400> 10741

tgaatcggac ctgagtgtga aaagttatgt ccatttgaat ttctcgaaag ctttcgttgt 60
 tcaatgtcga gcatctcgac atattatgcg ctogaatcga acatccgagt gaaaagatat 120
 gaccatttga gtttctcgag agcttccggg gttcaattcc gagcctttcg acatattatg 180
 tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagcttccg 240
 atgggttaatt tcgagcgtct caatatatt 269

<210> 10742
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 10742

ttgtaagggt aaagtctcac caatgttacc tgctcatgcc acaattggta gccgggggta 60
 tacgaaacat tttgccaac aaagtcaggg tagcgataac tcgcctgtgc tttttcttcc 120
 atgctatatg tagcaaagtc attgatcctg tcaagtttga tgagttggaa aatgaagccg 180
 caattatact gggccagttg gatatgtatt ttccccctgc tttctttgac atcatgattc 240
 acttgattgt gcctctggtc agagaaatca aatgttgtgg gcctgtttat ctacggggga 300
 tgtacccggg tgagcgatac ataaagattt taaaagggtg taccaagaat ctatatcatt 360
 cagaaacttt tattgttgag aggtacattt g 391

<210> 10743
 <211> 497
 <212> DNA
 <213> Glycine max

<400> 10743

agctttgcag tagatgccac tctactctaa attttttaaa gatatgttaa caaggaagca 60
 taaatatatt catcaggaaa acatcatagt ggaaggaaac tgcagtgttg taatctagaa 120
 gatccttcca ctcaagcata aagatcctgg gagtgtaact attccttggt caattggaga 180
 agttaatgtg ggaaaatctc ttattgacct cggagccagt atcaatttga tgccactctc 240
 catgtgcaga agattgggag agttggaaat aatgcccact cgaatgactt tacaattagc 300
 tgaccgctcc attaccaggc catatggagt aattgaagat gttttggtca gagtaaaaca 360
 ttttatcttc cgggtagact ttatggtaat ggatatctct aaagatactg acatccctgt 420
 aatattggga aggccattca tgttgaccgc aagttgcata tttgatatgg ggaaaaagaa 480
 gctggatgta tgttttg 497

<210> 10744
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 10744
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 gatggtgcct cctctcacct cttttccttt ttcttccgct gcatcccat ggtggaaaat 120
 caccattaaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc cccacaagca 180
 agcttccatc agaatgttcg aatgcggccc ataataaatt gaaacactca aaattgaaca 240
 cgaatgctcc aagaaaattc aaatggccat gacttctaac ttcgtatccg attgcaaccc 300
 ataatatatt tagacgctca aaattgaaca tgaaaggttc gagcaaattc aaatgaccat 360
 aactcttact ttcg 374

<210> 10745
 <211> 444
 <212> DNA
 <213> Glycine max

<400> 10745
 agcttttctt ttagcaaagc aaaggcttgc tcttgttttt caccacaggt aaatgccaca 60
 ttcttcttca ctagctcatt aagaggttat gcaattgtag agaaattatg aacgaacctt 120
 ctatataagc ttgctaacct atggaggctc ctaatatctc ccacactttt tggggtgggc 180

cattcttggga tggccttgat tttctcagga tccacttgga ccccatctct accaactaca 240
aaccctaaga aaactatatt atctacacaa aaagtacatt tctctatata tgcatagagg 300
gtgtttttcc taaggactga aagaactttc ctgagatgtc cctagtgatc atctaagctc 360
ctactggaca ctaaaatata atcaaaataa aacactacga atctacctat gaaatccctt 420
agacatgatg cataaccccc ataa 444

<210> 10746
<211> 508
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10746

agctttgccg tagatgccac tctacttttt tttttttaa gatatgataa caaggaagca 60
taattctatt catcaggaaa acatcatagt ggaaggaaac tgcagtgttg taatctacaa 120
gatccttcca ctcaagcata aagatcctgg gagtgtaact attccttggt caattggaga 180
agttaatgtg ggaaaatctc ttattgacct cggagccagt atcaatttga tgccactctc 240
catgtgcaga agattgggag agttggaaat aatgcccact cgaatgactt tacaattagc 300
tgaccgctcc attaccaggc catatggagn nattgaagat gtttttgtca gagtaaaaca 360
ttgtatcttc ccggtagact ttatgggaat ggatatctct aaagataccg acatccctgt 420
aatattggga aggccattca ttgtgaccgc aagggtgcata attgatatgg ggaaaaagaa 480
actggatgtc tgttttgaag aataaaaa 508

<210> 10747
<211> 379
<212> DNA
<213> Glycine max
<400> 10747

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ctgaaagggt aagaccattc gaatttctcg agagcttccg ttgttcaatt ttgagcgtct 120
cgatatatta tgtccccaat tcggacatcc gtgtgaaaag gtatgaccat tcgaatttct 180
cgaaagcttc atctgttcaa ttttgagcat ctcgatatat tatgtccatg aatcgggctt 240
ccgtgtgaaa agtcttgacc attcgagtga aaagtatatga ccatgggaat ttctcgagag 300

ctttcattgt tcaatttcca accgtttgat ttattattgt tcttgaatag gcattctacg 360
cgaaatgtta ttaccattt 379

<210> 10748
<211> 470
<212> DNA
<213> Glycine max

<400> 10748

agcttgctaa cccatggaag ctctttttt tttccacact ttatgggggg ggccattctt 60
ggatagccat gattttctag ggcccacttg gaccccatth ctaccaacta cacacaccta 120
agaaaactat ataatctaca cagaagggtgc atttctctat attagcaaac aggggtgtgtt 180
ttcctaggac tgaaagaact tgtctgagaa tgccctaagt atcatctagg ctctactat 240
acactaaaat atcatcaaaa ttaacagact acaaatctac ctatgacatc ctttatgaca 300
tgatgcatac gcctcataaa cgtgcttggg gcattagtga gcccaaaagg catcactagc 360
cattcttaca aaccaaactt ggtcttgaca gcattttttc actcatcaac ctgtttcatc 420
ctgagttggg cgataaccac ttttaagaac agatttttga aaagaaattg 470

<210> 10749
<211> 487
<212> DNA
<213> Glycine max

<400> 10749

agcttaaatgt attttgtgag catcaaagt ctaaatgatt cttataactt caagtctagc 60
aacatgaaca aaggtttcag agaaatctat aactttttgt tgattatata ctcaagctac 120
taacctagct ttgttgcata ctacttttcc ttgttcatcc aacttgtttc tgaagattca 180
tcttgttcca atggtgctct tgttttctgg cattggaaca aatgtccaga catcattttt 240
gttaaaactga ttcagttttt cttccattgt gattatttag tcattttcta tcaaagcttt 300
gtctatagtt ttaggtttga tttcaaacac atggtctttg aatgatgata taaatttaac 360
tccttcagtc taatctcaga tgatatgata ttatggatga aatgaaccaa attccaaacc 420
ttcatttgaa gtggttgata tgatgattct taaatcaaaa tgaaatatc ttcagactat 480
ttgactt 487

<210> 10750
 <211> 445
 <212> DNA
 <213> Glycine max

<400> 10750

taacaaaagg catgcgaagt ggggtggaatt cctatagcaa ttcccttatg ttatcaaaca 60
 taaaaagggga aaaggtaata ttgtagccga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaaatgatga 180
 aacttttgga gaaattttta aaaattgtga aaatttttca gaaaatgggt tctttagaca 240
 tgaaggcttt cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaaatt 300
 gcttgtttgt gaagcacatg aaagaggttt aatggggcat tttgggggcc aaaaaactct 360
 agaaacatta caagaacatt tttattggcc tcatatgaaa aaaaagtgc aaaaaatttg 420
 tgaacattgc attggatgta aaaag 445

<210> 10751
 <211> 510
 <212> DNA
 <213> Glycine max

<400> 10751

tcagaaagct ttttatggac ttaaacaagc tccaaagcaa tgggtgtagga ctagccact 60
 tccttcttga acaaaatttc gagagaggac aagttgataa aatgttttcc attaagaagt 120
 cctctcataa cactctactc atgcaagttt atgtggatga cataattttt gggtgacta 180
 acaaatctct ttgtcaagat tttgtgcaca agatataagg agagtttgaa atctcaatga 240
 tgggaaagct aaattacttt cttgggtctt aagtgaacaa aatggaccgt ggaacatttc 300
 tccatcaagc aaatactgca agtaacctct caagaagttt gagatggaaa aaaaaagca 360
 aggaggctgc aactcctatg gttactagtt gttaccttag tgtggatgaa aaaggaaagc 420
 caatcaatca aataaggtat agaggtatca ttggctccct actttactta actgcaagta 480
 gtttgacat catgtttaat gtttgcattg 510

<210> 10752
 <211> 435

<212> DNA
<213> Glycine max

<400> 10752

agctttttaat ggaagtcacg aaaattatgg cccctcagaa gcattaactg gaaaccaagt 60
tcatgatcgc gtaaaggaaa ttgtaaccgt gtttggcaag tcccagaaga agacatcatc 120
tccaacaac atgtggaaga aatgctcaat atttttgatc ttccatactg gtctgatcta 180
tatgtgcact gtctagatgt tatgcatgtg gagaaaaatg tgtgtgatag ttttaattggt 240
actcttctta acattaaagg gaagacaaag gatgggttga aatttcgtca agacttggtt 300
gacatgggaa tacgagagca gttgcatccc atatcacaag gtcggcgaac atatttacct 360
ccagcatgcc acacactgtc aacaacagag aagataagtt tttgtccatg tctgtggaat 420
ctcaaagtgc caca 435

<210> 10753
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10753

acgtgcctca tgcaacaatt gatattcgtg gctatacgaa acatcttgcc aaacaaagtc 60
agggttagcga taactcgcct gagctctttc gtccatgcta tatgtagaca gtcattggtc 120
cagtcgtgtt tgatgaaatg gaaaatgagg ccgcaattat acaaagccag ctggaatgtg 180
attctcccc tactttcttt gacatcatga ttcacttgat tgtgcatctg gtcagagaaa 240
tcaaagtgtg tggctcctgtt tatctacgat ggatgtacnc cgggtgatcga tacaataaga 300
tcttaaaagg gtatacaaag aatctatctc gtccagaagc atctattggt gagaggtaca 360
ttgcagaaga angccatgga atttgttcat aatacttaga gaaggctaaa catgt 415

<210> 10754
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10754

agcttgtctc tcaacactac anagctattc acctttaaat cctttgtaaa aatatctgcc 60

agctgcattt cagtgtgtgca atacctcaaa tccagctgct tcttgctcac cttttccctc 120
 agaaaatgaa atctagtctc aatatgtttt gatcttccat gtgctactgg attcatggcc 180
 aaactgatag tagatttggt gtctacatac aatctaactg gcctctgaat ntccaccttc 240
 aattcttcaa gcaaggagtc caaccacaag gcttgacatg cagcatagca agctgctatg 300
 tactctgcct cacatgagga taaagccacc acttgctggt tctttgaaca ccagcttatt 360
 gatgtaccca gaaac 375

<210> 10755
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 10755

ataactgaat cttagttctc ttagacttat tttttatcag ctggctgac attataatta 60
 atgaactcag tggcaatctc tttggacagt agcttctctc gaataaagt acagtcaatc 120
 tctatgtgct tggctctctc atggaagact gggtttgaag caatgtgaag agcagcctga 180
 ttatcacaat ataacttcat ttgcaccact ttgcagaatt tcaactcttc cagaatttgt 240
 ttaaccacaca taagttcaca tgtaaccata gccatagatc tgtatacagc ctgtgctcta 300
 gatctagcaa caa 313

<210> 10756
 <211> 276
 <212> DNA
 <213> Glycine max

<400> 10756

tcattttcta taggttacta ctgtgatgaa cgtttatggt atataatccc tatggaagca 60
 gggcacattt ttgtgggtag accatggcta tttgacaaga aaagtatcca ccatggctctc 120
 cccatgaaat acccttacct atggaagcaa aaagttctac cttgttccct tgacaccttc 180
 acaagtggct agggatcaag taaaaataaa actcatatag gatgaggtat agaatagaat 240
 aaaaaagaag acctactcta tggagaggag gagtgt 276

<210> 10757
 <211> 367

<212> DNA
<213> Glycine max

<400> 10757

agcttgtttg cagacatagc ctttttggtg tttatgccac caccggagac atcatcggca 60
gcggcagcgg tagcggagag caccatatcc ggggtggatgg agccatccat ggagaggctg 120
tgttggtgtc caaccctagt aggcctttca ttattattat tattattctt attattatta 180
ttattattat tattagcaat gctgttgtgt tgagggtggag gaggaagagg aagtggagag 240
gaatcgagtt gatcgaattg aaggtagatg gaaagcaagt cgttgtcatc ggggagatca 300
acgtcgaatg tgaggtcggc tggtaagggt ataatctccg aatgggcgcg cctgtgccct 360
ctgttct 367

<210> 10758
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10758

ttaagtatgt atggcaaac tttattactg gtgttcaaga catacaagtg agcttgtaac 60
aaatgttcta cacttggagt gatcacatgc cagccttttg aacctttacc acgcactcta 120
tcatcatgcc gagactcagg aagaccaaca ggtttagtct tctctaagta ttctgaacaa 180
aattcaatgg cttcttctgt aatgtacctc tcaacaatag atgcttctgg acgatataga 240
ttctntgtgt acccttttaa gatcttcatg tatcgctcaa tggggtacat ccaccgtaga 300
taaataagac cacaacattt gttttctctg accagatgca caatcaagtg aatcatgatg 360
tcacagaaag caggggggata atacatcta 389

<210> 10759
<211> 426
<212> DNA
<213> Glycine max

<400> 10759

tatgctgcaa acatttacia tagaccttct caacctcagt agcaaatca accacaacag 60
aactattacg acctctccag caacagatac aacctggat ggaggaatca ccctaattctc 120

agatggtcta gccctcagca acaacaatag aagcctgctc cttccttcca aaatgctgct 180
 ggcccaagca gaccatacat tctccacca atccaacaac aacaatagcc ctagaaacag 240
 ccaacagttg aaggctctcc acaaccttcc ctgaagaac ttgtgaggca aatgactatg 300
 cagaacacgc agtttaacca agagaccata gcctccattc agagcttaac caatcagatg 360
 ggaacaatgg ctacacaatt gaatcaataa cagtcccaga attctgacaa gctgccttcc 420
 caagct 426

<210> 10760
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10760

aagcaagaaa ttaggtgcat atagagttac atacgtcttg gaattgatac atacggacat 60
 ttgtgggtca tttcatacat cttcatggaa tggatcatcaa tttttatat cattcataga 120
 cgattactcc aaatatgcat actntatttc ttatacatga aaagtcacaa tctttggatg 180
 tgttcaaaac atttaaagtt gaagttgaaa atcaactcaa caaaagaatc aagagtgtta 240
 gatctgaccg tgggtggtgaa tactatgggt gatatgatgg ttcanagtga caacgtccgg 300
 ngccttttgc caagtaccta gaggaatgtg gaatcgtccc acagtacacc atgtcagggg 360
 cacctagcat gaatgatgtg gctaaatgac gaaacaaaac tcttaaggat atgg 414

<210> 10761
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 10761

agcttacttg gaaatcatta ggtggaacct ctttaagttgt gtgagcacta tgtctatagg 60
 aagaaccatc agatgaaact cccaacagtt gtgcacacta taaaagccat attgggctat 120
 gtccattctg attactaggg gccttcgaga gttccatcac taggcagagc aaggcacttc 180
 ttctccagca acgatgggta ctccaggatg acatgtgtat ttacgataaa acaaaaatct 240
 gaagctttca aatgttttaa gcattggacg attgttatga agaatcaaac aggaatgaca 300
 atgaagtttc ttaggatgga caatggcttg gaattttgtt ctacaaaaat caatgagtta 360

tgtaaagatg aaggcatggc aagataatgt atcgtatact atactccaca 410

<210> 10762

<211> 311

<212> DNA

<213> Glycine max

<400> 10762

agcttataga tgaactacat ctgtatgact cttacggatg aagttcatcc gtatgaagca 60

tacagatgta gtacatccat atgcattggg tttcttccag aatatttatt aaattttgaa 120

aacattagat gtaataacat tattaatatg ttttaattctt attacatatt tttgaaattg 180

tggataattt atctattaca aattatttat agtgtaagta aaagattaaa ttatttaggt 240

acaataattg aattttattt aactagtaaa atgtctaatt acgtgtagt tatagttttc 300

tatgtttttt t 311

<210> 10763

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10763

acttagttaa aatatctgtt ggctgggtcan ttataatgat gaactcagtg ataatctcct 60

tggacaatag tttctctcga atgaaatgac aatcaatctc tatatgttta gtccctctcat 120

ggaagactga atttgaggca atgtgaagag ctgcctgatt atcacagtac aacttcattt 180

gcaccacctc acaaaatctc aactcttgga gaaagtgttt aatccacata agttcgcag 240

taaccatagc catagatcga tattcagcct ctgcactgga tcgagcaaca acggtttgtt 300

tcttgctctt cctatagata acatttcccc caataaaaat acaatatacct gaggtagatc 360

tcctgtctat gggacaagca gcccaatctg catcacaata tccagagac 409

<210> 10764

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10764

ctcgacccgg atctgtaacc tcttgacgct gcagcttaca aggacccgaa atctttaagg 60
 agcctcagag tacaatcatg tattgacccc ccctcctagc tgctccaagt actaagcata 120
 atatcgtttg acaatatcaa cgttcatggg tgaagtcaac tcttcatcat ccatgctggc 180
 aagcaccagt gctcctcctg agaatgcttt ctttacgatg aaaggccctt tatagtingg 240
 agcccacttt cccctattgt cctttagggc ttgggatact ttcttcagaa cgagggtcccc 300
 ctagttgaat ttgcataggc ataccttctt gttgaaagca ttcttcaccc atctctggta 360
 cagatgcccg tggctcatag ccgccagacg cttgccttct ataagattga gctgattaaa 420
 gcgtgcttgg gctcactctg attcttccaa cccggactct tgcagaatc 469

<210> 10765
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10765

agcttggtta ccccatgttt gagttgctta caatagagtt gttcatagca ccactaatta 60
 ttctcctttt gaagttatnt atggtntntaa cccactaact cctcttgatc ttttgcctat 120
 gcataatggt tctgttttta aggataaaga tgggtcaagca aaggcagact atgtgaagaa 180
 gcttcatgag agagtcaaaa atcaaattta gaggagaaat aaaagttatg ctaaacaagc 240
 caacaaaggg agaaagaagg ttgtcttcta acctggagat tgagtttggg tgcacatgag 300
 aaaagaaagg tttccagaac aaaagatatc aaagcttcaa ccaaggggag atggaccatn 360
 tcaagtgctt gaaagaatca atgacaatgc ttacaaagtt gagctctccg gtgagtataa 420
 tgttag 426

<210> 10766
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10766

agctttctca agctggattc tagattgtag catagctgca ttaagaaata gtaataaata 60
 agcaacattt agtattgttc ccatgggttc agtaggcagc ctatatatga tattatatca 120

aattatacct cttcccaagc ggaattttct agacggagat atatagttaa tatgatacag 180
 cctggcctta tatagctctc tatctctgtg ggactgtggg ataaccagtt aaggatctgg 240
 taatcaaaga aaaacataaa taaaacacca ttcaaaaaac agtgtagtga aatagtttat 300
 agcaatttca aggcagcaat gaagtacctg tgatcggaga gcatggngga aatcatttgg 360
 agccttgcca aatagtttga aaacaattcg atctgtacga ctctgtaaag agaaagc 417

<210> 10767
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 10767

taagtctacc tgcggcatgc aagcttctat tttaattacg agcgtctcga tatattacgg 60
 gactcaatcg gacatccgag taaaaagtta ttgtcgtttg aatttgctta gtgcttctgt 120
 tttcaatttc gtgctctcgc atatactacg ggacacaatc ggacaccgga gttaaaagtt 180
 attgtcgttt gaatttgctc agagcttcta ttttaaatta cgagcgtctc gatataattac 240
 gggactcaat cggacaaccg agtaaaaagt tattgtcggt tgaatttgct tagagcttct 300
 gttttcaatt tcctgctctc cgatatacta cgggacacaa tcggacacc gagttaaag 360
 ttattggtcg ttgaatttgc tcagagcttc tgttttcaat tacgagcgtc tcgatatatt 420
 acgggactca atcggaca 438

<210> 10768
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 10768

tcaaccttgt tgggatgggt ggtgctgctt gttttacagc tattgatctt gcgagagacc 60
 ttctggatgc ttatccaaga acttatgcac ttggagttag cacagaagca tgtagctcaa 120
 catggtacag tggccatgat aatggcatgc tgcttcccaa tggcttggtc agaatgggag 180
 ctgcaaccat catgctctga aactttcacc tatatagatg gtgcgccaag tatgaactca 240
 aacacgcatt tctcgatcga atttgactcc tctaaagtga aatgagaaag caattatatg 300
 tggactgtac ttctactcc aatttaaagg aaaaaaactt atcagcagtt ctttgtgttg 360

gtattctcta attagaagag gagtgttatc ttactaatct at 402

<210> 10769
<211> 397
<212> DNA
<213> Glycine max

<400> 10769

gcttagctct agaggggatg gaccttttat tgtttggaga ggatcaataa caatgcctat 60
aggttggatc tcccagaaga gtttgagatc agcaccactt ttaacatttc tgatttaatt 120
cctttttagt gtggagctga tattgaggag gaggaactaa cagatttgat gtaaaatcct 180
tttcagggga aggggataat gcaatgctcc ctaggaaagg accagtcact agagccatga 240
gcaagaggct ccaagaggat tgggctagag ctgctgaaga aggccctagg gttgtcatga 300
acctcagggg agatttctga gcccatgggc caagtttggg tccaattctc tttgtacata 360
ttagactagg atgtcattat atttgatcat tgtatatt 397

<210> 10770
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10770

agcttgccac cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300
atatccgtga tattgttgag ctgcaggagt ttgttgaaat ggatgatttg cttcaciaag 360
caatccaagt ggagcaacaa ttaaa 385

<210> 10771
<211> 287
<212> DNA
<213> Glycine max

<400> 10771

aatacaagat tattttcaacc aacaaagtct tgattcaaga tttcttcatg atcaagcctt 60
gccgcaaaat gaaaagaatt caagtcaccc aaagcacatg taatcgatta ccaatacatg 120
taatcgatta ccaaagagga ttttcaagga atatcgccaa cagtcacatc ttatcattcg 180
gattttaatg gccatcaaag gcctatatat atgtgtgact tgggacgaaa ttacagagag 240
tttgcttggc aaaatgttta tcctctctca aagaaatgaa gagattc 287

<210> 10772

<211> 395

<212> DNA

<213> Glycine max

<400> 10772

agtctcatga ttgtctctgt gctcatgcaa caattgttag ctgtggctat acgagacatc 60
ttgccaaaca aagtcagggt agcgataact cgctgtgct ttttcttcca tgctatatgt 120
agcaaagtca ttgatccagt catgtttgat gacttggaaa atgaggccgc aattatactg 180
tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca cttgattgtg 240
catctagtca gagaaatcaa atgttgtggt cctgtttatc tacgggtggat gtaccgcggt 300
gagcgatata tgaagatctt aaaagggtat acaaagaatc tatatcgctc agaagcatct 360
attgttgaga ggtacattgc agaagaagcc attga 395

<210> 10773

<211> 474

<212> DNA

<213> Glycine max

<400> 10773

tatacaagaa tgaagctccg ataccactag ttaaacaatgt ggccttagat atcttaagaa 60
tatgggggtg aattaagata tcaaagacta ctcccctatt aaaattgtaa ctatctatct 120
gaattattaa tgcaccctta atttgaatta ctaaaaagac aattcaaagt aaacttcttt 180
aatgcaaaaag ataaataaca ataatgaaa gaagttaaat ggaagagaga atgcaaaactt 240
agttcttata ctagttcggc cagccctgt gcctacgtcc agtctccgag caaccgctt 300
gagatctcca ctatcttata aaatgtcttt tacaaaagtct gaaccacaca ggaataaccc 360

ttcccttgag tatagaattc cttagaactt aagagatcct cggtcctta atcaatctct 420
tgaatatgaa gaagaagaag aagaagaatt ctctccttaa gagaaagata ttac 474

<210> 10774
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10774

ttcagtactc ctaacattca gaaagagaaa caatccttca ctgttccaaa cttataaatt 60
ataatattta gctaacttat aagataattt taccaataca tcctagatta tttgtncctta 120
atttttatta aacataagag aacccatata tatattgtca aaaagactac atatatngac 180
aaaaaatgcc caatatatat gactntttatc taaaataata ataataatac tgtttcttta 240
aaattcactt taaatctcat atatttatcc cacaattaga tttcttcaaa tctgatggaa 300
cttttggttaa acacagttgt tggtttggtt gtctcttaaa agatgaaaat gtagatataa 360
tatttaggta atgaaacata gctacaactc actgtatctt tattataaat aaaagcaaaa 420
gttgagagta agaatagtgg gtctaaaa 448

<210> 10775
<211> 216
<212> DNA
<213> Glycine max

<400> 10775

cagcataacc atgtatgtca agccttacat gggtgtagtt cagagtaaca atgtgtctgc 60
tgaccaaata ggccttgcat aaaagggttag ctgcatttat tcttcatggt ggctatTTTT 120
cagttcaatt ataggaaacc agtggattat tattatctgg aatgtagatt gaaaagcatg 180
agcttctaag ataagacgtg ttactacttt atatta 216

<210> 10776
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10776

ctaagcttcc aagttttaag ttcttcctca taactgtcct aagcaaagtt ctcaaagtcc 60
tattaacaac ttccgtttgc ccatcggttt gtgggtgaca agtggttgaa aataacaatt 120
tagtgcccaa cttgctccac aaagtcctcc aaaaatgact taggaactta gagtccctat 180
cactaataat gtccttggc aaaccatgga gtctcacaat ctcttgaaa aacaaattag 240
ctacatggga agcattatca actnttttac atggaataaa atgagccatt ttagaaaacc 300
tatcaacaac cacaaaaatg gaatctctac cattgcttng ttttggcagc cccaaaacaa 360
aatccatgga taaatcaatc caaggatact ccggaattgc aatggagtat acaatccatg 420
aggttntacc ttannacttg ccttnttaca tacaatgcaa tgttcacaaa 470

<210> 10777
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10777

caatttagca acttccgaat atatatgaat tggcaagttt aagagactca tatttacaag 60
gatgaaaatt gatgtgcaag cttcttggtta aacattgcat gtgatttggg ccgcgttcag 120
tgtaacattg catgttacgt taaataaata taacaaattc atttgataat aaattaaatt 180
ttagatatat gatgagactt ttatgattaa atatataaaa atcaataact ttattaatta 240
aaataatggt ttgaaagaaa atacaaatga tctcttatnt attcattaga tacgaaataa 300
aataga 306

<210> 10778
<211> 436
<212> DNA
<213> Glycine max
<400> 10778

gtccttctt ccatggctta ttccctagt aatggtgcct cctctcacct cttctccttt 60
gtcttccgct gcattctccat ggtggagaac cacaattaaa ggatctcatt gaagctcaaa 120
gattcggcct ccatagaagc tccacaagca agcttccata aaaaaggcaa gctatctatg 180
cggtttgaca atggaaggta aaggaaataa gctatgaaag taagcaagaa atgtaaaacta 240
tgcgaatcct aaaagtattt ggatgaccac atttaaggtt cccaacaaaa cactcacaat 300

cctaagggaa aattacctaa aattattaca tataaatgga agtaggatga cctattggag 360
gctcccaact tacttccaat gaaagacctt tttgttacia aattgaatgc aatgaaagta 420
agttaattct caatta 436

<210> 10779
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10779

cacactaata tataccttat aatcaatcaa ggaaacacat ngacttcacc aacttgggtct 60
aagagaaaac aaaatatcac attttattct ccttatatta attttctcta gcattcaagc 120
aggatggatg aaatggagaa aagcatctgg ggtgttatgt gatgcaaagg taccgatcaa 180
gcataaggga aagatttatc ggactgcggt aagaccggcg attatgtacg gaacagaatg 240
ttgtgcggtc acaagccaac atgagaataa agtacgtgta gcggagatga ggatgttgct 300
gtggatgtgt ggaaagact 319

<210> 10780
<211> 234
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10780

ttaaaaatta ttcnaatagt gaatattatt taatgggtatt tgtaacatat tatttatcta 60
taaaacaaat tctaacatat agtatgtgaa tgggttataa gacgtttaat aagagataag 120
aaataaaaag tattaattca tattactaag aataaatttt aattaaaatt aatgctaaca 180
ataaagatga aataaattaa ttatattagt taacatttgt cacaaaaatt attt 234

<210> 10781
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10781

tgcacacagac anagatgata gcaaattccat ttcaggatat gggttcactt taaatgggtgg 60
 tgcagtaagt tagaaaagtt ccaagcaagc tacggtagca tattcaacta ctgaagcaaa 120
 atatatagtg gcaagtgaag ccgctaaaga agctgtttgg atgaaaaagt tcacctttga 180
 acttgggtgtg gttccttcaa tagaagagtc ggtcccatta ttgtgcgaca ataatggggc 240
 tattgctcaa gcaaaggaac caagatcaca ccagaagtcc aaatatattt tacgaaggta 300
 tcacttgatt agagagataa tagaacatgg tgacgttaag aatgaaaagg tagatggaaa 360
 ggagaatgca tcagatccct tcaccaaggc acttggcana agagagttng acaagcacan 420
 ataggaatta tgaatgaagt tcatga 446

<210> 10782
 <211> 333
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10782

gctatgttnt aatgtcgagc ttcacgatat actacgggac actatcggac atccgagtaa 60
 taagttattg tcattataat tttctcggag cttgcgtttt caattacgag tggctcgata 120
 tattacggga ctgaatcagg catccgagga aaacgtgttt gtcgttagaa tttgctcaga 180
 gcttttgttt tcaatatcaa gcgtctcggt atattacggg acttaatcgt acatctgtgt 240
 taaaatttaa tgcgggttga atattctacg agcttctgtt tccaattaca agcgctcaa 300
 tatactacgg gacacaatcg gacatacgat ata 333

<210> 10783
 <211> 301
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10783

ctacaaaagg agagagcaag agatgaagag ccaatgggtg atacatggac ggagatgana 60
 cagatcatga tgaagcaata tgtgccggct agttactcaa gggacttgat attcaagctc 120
 catagactaa cccaaggcaa caaggggggtt gaggagtatc tcaaggatat ggatgtgctc 180
 atgattcaat catagattga agaagatgag gaggtaacta tggctcgatt tcttaatggt 240

atgactaatg atattcgtga tattgttgag ctacaggagt ttattgatat ggatgatttg 300
c 301

<210> 10784
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10784

atctctgagt cacctgcngc atgcaagctt ctgggagaca tctngacttg cnttccaatc 60
tgacattcac cacagattct gccttcttct attttcagaa tgggaatgcc tctaacagca 120
cctttgtcaa tgattntctt catgcctctt aagtgcagat gtccaaatct ttgatngcca 180
tatttgactt catcttcttt ggagaataga catgtggagg agtaactggg ttcttgaggt 240
gtccataggt aacagttgtc ctttgatctg ctgcccttca ttangacttc actcttctca 300
tttgtcacca agcattctga ctntgtgaag ttacattgaa tccttcatca cacaatngac 360
tgatgctgat caagttcgca gtcagtcctt tcaccagcag tactttgntc agactangaa 420
gtccatcatg gactatgctt tccattccag tgatctt 457

<210> 10785
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10785

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catgttcttg taactttcca aacaaagtgg caagagacat gttagataga tctcgtgatt 120
cagtaatgat tgttacctta gggtgtcatt ccctgcttaa gcattctaaa actntattta 180
taagatcttc atttggaaag aattttccta aagatgtaag atgattaatt atatgagtga 240
acctctttcg catgtcttgt atggtttcac ttggattcat tctaaataat tcatattcat 300
gaatcatttt atntatccta tatctttnta catctgttgt accttcatgt gttacttgta 360
gggtatccca cata 374

<210> 10786

<211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10786

accgcgatct caagtcaccg cggctgcagc tgaggcaact gatgcatngg taactgggta 60
 acccagctgg ccttgaacca gaaatctgta cctgtcgcaa gggctctgggtg gttgtgctcc 120
 tctgtgacc accatacaaa cctttgccct tccatgcagc aacctggagc aattgagcag 180
 cccgaagctt atgctgcana tatttacaat agacctctc aacctcagca gcaaaatcaa 240
 ccacagcaga acaattatga cctctccagc aacagataca accctggatg gaggaatcac 300
 cctaattctca aatgggtctag ccctcagcaa caacaacaac agcctgtctc ttccttccaa 360
 aatgctgcta gcccaagaag accatacant tctncaccaa tccaacaaca gcaacaaccc 420
 cagaaaca 428

<210> 10787
 <211> 337
 <212> DNA
 <213> Glycine max
 <400> 10787

ctgcagcttg atgcacattt gagaggtaat gtacaacgat atgatgcgct ccatgagagg 60
 ttggatcaaa tggagaatag agatcatcat gaagaagaaa ggacgagaag agggaatgat 120
 ggtgttccta gacataaccg aattgatggt attaaactca acattcctcc atgtaaagga 180
 aagaatgatc cggaggccta cttggagtgg gagatgaata tagagcatgt tttctcatgc 240
 aacaactatg aggatgacca taaggatgaag ctggctgcc aaggagttttc cgactatgct 300
 ctagtgtggt ggaacaagct actaaaggag agagcaa 337

<210> 10788
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10788

agcttatctc agatcagttt atgaacanaa taaacctcct tataaatata tgtttcactc 60

caaccaaagt catagatngc acattgttca gtccctcaag ctcatgcaaa gatgggaaat 120
 tacaatatatt tacattcttt caatttgcac tcaaacaac acaaacacac atatataatta 180
 ggtggaacaa tgtaataatta atttgaatat tgattacata tataactattt tccatgatga 240
 tataataact tgccttgtga caatatatac caacaaccca gttgttttaa tatttcatca 300
 naaatgcttg catgggttcca ttcttttctc tcttcacata ctccaaataa ttcgtatgaa 360
 ttatccctat aactagcctg aatntagtct tccatctttt cccatgggtga taccatgtca 420
 agtgcctggg ctctcttaga acagcaatat 450

<210> 10789
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 10789
 gcttccccctg tgtgcatttg tgtaatacat tatectgtgt atgatgatca cgggtccaag 60
 gcagccaggg aatgatattg atgtgtatct tacaccatta atcgaagact tgaaaaaatt 120
 gtgggaagaa ggagtagatg tgtgggatgc aaatgtgcag catacattca cattacacgc 180
 aatggtgttt tgtactatta atgattt 207

<210> 10790
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10790

tgaagcttcc atatgttgag tgggtgcaacc ctcttttagaa tatcactcat gcacccaaca 60
 tcttcatgat ttgtgtacat agggactcat taagtaggtt tgttcttaatt ttttgtttca 120
 atacaaactt aagtgtcat atgggacacc ttangtttgt cataatatatt tgtaggaata 180
 atcaacatga aaataaagaa naaggatatgt tntattcaat tactttcctt aactnttaaa 240
 ataagatga agggcttccc atggaccctg agagaataat ggtcattcct gaggggccta 300
 ctccaccatg tataaggac atttgnngct tcaatgactt aacanacttt tacaataggt 360
 ttgtctcata tttttctata cttgtagcac cactcattga gtnggttaaag aactatgttc 420
 tctcatggga 430

<210> 10791
 <211> 248
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10791
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 gctctcgaga cattcgaatg tgcataacat ttgcacaaa tgtccaattc tgggacataa 120
 tatatcaaga cgctctaaat tgcataggcg aagcactcag gaaattcata tggtcataat 180
 tattcacatg gatgtccgac tcgggaaaat aatatatcgt gatgctctaa attgaacaac 240
 gagagcta 248

<210> 10792
 <211> 188
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10792
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 agctaattcca tgagctgcac cctgngcaat cttgagtctt acatcccatt ttagagctga 120
 agttccatcc tcaactctcat gcagccaata gtcaaggctt tcattctcca agtaggagta 180
 aataaaca 188

<210> 10793
 <211> 347
 <212> DNA
 <213> Glycine max
 <400> 10793
 tatgcgcaca cttctgtacg aacgttcact tgcacatgac attattatat ctaatatata 60
 tgcaccata tacaatcatt gcaccttctg tacctataat attcacatgt acttccatgg 120
 tgtatttggt atctacatca cacacatttc ctttgctaaa ttcacatata tgcatactct 180
 aagcactgtg gctatcaaaa attgcatacg tgcacatctt ggtattttctc atacctatac 240
 atacacaaac tatatgatga atcttgacta tctacacaat aaggcgctac atttcatgct 300

attctcaagt gtttgtacta cctaaagccg catgcaaatt gaagtat 347

<210> 10794

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10794

agcttcaacc tagaggagac ggaccattcc aagtgttgta taagatcaac gacaatgcct 60

acaagaatga cttgcctagt gagtataatg taagtgccac tctcaatgtg tctgatctat 120

ctctntntga tgcagatgga ggagccttg atagaggac aaatcctttt caagaacgat 180

ggagtgatga ggacataacc aaggaccatg aagcacttga aggtcccatg accagaggca 240

gacttanaca agcccaacac gtcatagaga caaagctggt catttgtata gctgccattg 300

atgatgattg aaggcccaag tgcagaaaga tgaaagccca naggcagagg cactaccaag 360

actact 366

<210> 10795

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10795

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agtagcatgt actatgtcgg atctaccttc ctttgggatg acgagaataa ttttcccgaa 120

atcacctcca aacacaacaa cttttccacc aaatgaacca ctgtcagaat tagacatgca 180

catgatgtca ttcaatgtn tatctaagtc ttcataacaa acttatgagc cataggagcc 240

tcacctata ntaatcaatt gattgccttt aacaattcaa cttgttctgt accttggtgg 300

atattacatg tggagttgtc caatataggc accatgaata gc 342

<210> 10796

<211> 360

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10796

ttctgggggt gaagctcctt cttccttggc ttattcccta gtggatggtg cctcccctat 60
cctcttctcc tttgccttcc gctgcatctc catgantgaa aatcaccatt gaaggacctc 120
attgaagatc aaagatccag cctccataga agctccacaa gcaagcttcc atcaagttat 180
gaccatttga atctctcgag atcttccgtg ggtcaatntc gggcgtctcc atatgtcatg 240
tgcctgaatc ggacctnncg tagaaaaatt atgacatnt gaacttctct agagcttcgc 300
ggtgttaatt tcgagcttct cgatatctga tgtgcctgaa tcggacatnc gagtgaaaag 360

<210> 10797

<211> 304

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10797

cttcactcgc atgtgcgatt catgcgcgta gcgtattggt attctctata tctaacanag 60
gaagctctcg agaagatcta atggacatca acttttactc gcatgatcca tgcaggcgca 120
taacatatgg agacgcttga aaatgaacaa ctgagtttct cgagaaattc atatggtgat 180
aactcttaac tcgcatgtcc gattcatgcg cataacatat tgagacgctc gaaattgaac 240
aacggatggt ctcgagaaat ttagatggtc ataacctttc actcttatgt gcgatacacg 300
cgca 304

<210> 10798

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10798

agctngtgcc tcttcatgtc tggaatatga atgtagcata tagatccaaa gacacttaga 60
tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgct tcttacagac 120
ttagttggac atatgttgag tatgtaaaca gcagtgtaga ctgcttcagt ccagaatgtg 180
ttaggtagtc ccttctcctt gagcatcgat ctagctatct ccataactgt gcgattcttt 240
ctctcgaca ctccattctg ttgaggagaa tatgcgacta taagttgtcg ctctatgcct 300

tcatcctcac aaaatattta aactcgcgag aggtgtactc tttgccgcga gcacttctta 360
 agtactttat cta 373

<210> 10799
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10799

tcttagtttc agatgatgca gatgggtntg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt attggcgcta aactgctgng agttggaggc catcttctca attaaatttc 120
 tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatatc aggctctctc 300
 cactgagctg tctaatacct gagatatctn tcttgatggc tgtggtcctg gaagcangga 360
 aaaaatttct aaaatactct cttaagtcac ccagctcgt gat 403

<210> 10800
 <211> 232
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10800

tcggacctca gtgtanaaag ttatgaccat atgaatntct cgggagcttc cgttggtcaa 60
 tatcgagcgt ctgtatatgt gatagcctg aatcgaacat ccgtgtgaaa agttatgacc 120
 atttgaattt ctcgagagct tccttggttc aattccgagc atctcgacat attgtgtgcc 180
 cgaatctgac cttcgtgtga aaagttatga ccattagaat ttctcgagag ct 232

<210> 10801
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10801

ggatganagt gcacaactcc tacttggtgt tatgatgatg gagaagcagt acttcttgga 60

cctgaaatgc tacaacagat taacgaacaa gtgaagttga ttcgagagaa gataaaggca 120
tctcangata ggcagaagag ctattatgat agaaggagga agccactata tnttcatgaa 180
ggagaaccat gtgttttgaa ggtttctccc ttaaccggag tcggaagggc tcttatagct 240
aggaagttga cacccaagta tctaggtcca tatcanaatt tgaagaagat agngcctgta 300
gcttatcata tcgccttacc tccgagttta tcgaatntgc attctgtgtt ccatgtctct 360
caactgagac ggtacaaccc agatccatca catatacttg cagtgga 407

<210> 10802
<211> 371
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10802

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tacatatatt acagtatgag ttacaggggt ttttcaagtt gtattaatat tagtctaatt 120
aaaattagnt ttctaaatta agagaacctt tttcacaatg agaaatttgt attcanagat 180
attcacagag atagttaatn tactttcttt ttagctagca ttatattaca tataaagttt 240
ccttatatgt aagtcaatat attaaatgac tataagaaat ctggacttat aaatggagta 300
atggatatat gatatagttg tgcattatta tgataagttg gaacattaat aattgacaca 360
agtgataatg a 371

<210> 10803
<211> 495
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10803

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gggggggttga attaagatat tccaaactgc ttccccaatt aaaaatctat ttcactttnt 120
attcaagtta tgaattccct taatgacaat cttcgtaaatt attaattcaa ataaaacaat 180
ttgaatatga atataaatca ataataaata aaggagatta agggaagaga gaatgcaaac 240
tcagttttat actgggttcgg ccacaccctt gtgcctacgt ccagtcccca agcaaccgc 300

ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca aggacaatcc 360
 ttcctttgtg tttagaaatc cnttacaaca agagactcac agtctcttaa tcccttagag 420
 aatgagaaga agaagaagag atctctctta naagagatgg gatttacaga atgagcactc 480
 aaataattcc ttatg 495

<210> 10804
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10804

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 gcgcaaaatc tcttgaacta agaagatgtc gtccatcatc tttctgttct taatgaatag 120
 cagttgagtt tccccaatta tatgtctaag cacttaggct attgcggtgg ccagaatgtt 180
 agacacaatc ttgtataaca nattacagca agatatgggt ctaaaatgggt tacctgngag 240
 gcctgggtcat gcttatgaat aacgcaatat agcatgggta gctgcttaga attgttcagg 300
 tgaaaagaatc attaccgcac aaagaatcat accaatgtat ttaagcctct gaagataaac 360
 atgaagcctc tgccaggagc ttatgtatca tcacaaat 398

<210> 10805
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10805

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 tgcactactg aatatgggtgt gtatgttaaa ggagaaagtc tttcagacat cctcatagcg 120
 tggttatatg tggatgactt gttgatagca agaaaagatt tcaatgctat ctcgacattc 180
 aagcaagaga tgaaatctga atttgaaatg tcagatcttg gagaattatc atattttctg 240
 ggcatagagt tcaagaggac aaaggctagg tattttattc accanagcaa atacacaact 300
 gatgttctaa agaggtttca gaatgttgac tgcaactcag tttcaactcc tggtgaaact 360
 agtgctatgc tggatcaatc anggctgaaa caat 394

<210> 10806
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10806

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 ccactctgtc gtcatggtga gactcaggaa gcccaacagg tttagccttt tgaatgtagt 120
 ctgaacaaaa ttcaatggct tattctgcaa tgtacctttc aacaatagat gcttccggac 180
 gatgtagatt ctttgtatac cctnttaaga tcttcatgta tcgctcaacc ggttacatcc 240
 accacaaata aacaggacca caacatttga tttctctgac cagatgaaca attaagttaa 300
 tcatgatgtc aaagaaagca tgaggaaaat acatctccaa atggcatagt ataattgcgg 360
 cctcattttc caggtcatca a 381

<210> 10807
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10807

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 canttttgta atttctcaat tcagttntca attctggacg atttctgtt aatttatcct 120
 ttcacttttg gttatagatg acttgctcca cggttgaact cactgttcaa tangtggaga 180
 agttgaggga aatgagtcca ctttatgaaa ttgtcaagga aggtatcaac atcaaggaca 240
 ttcaatgggc acagcactga ttattatcaa gctctcagaa tgcaatgcaa gtgatgggaa 300
 gcaattgtga ttgaactcca gacgtagctg ccactcttgc aattgcagat tcttcgaact 360
 tgctgattat ntagtaattt gtatcttgag gttacattac aattaanaat ttaccctgtc 420
 agagctattt attangtata caccatctgt ttcaatgatt ggtagttttg cttgtcagcg 480
 atgtttatg 489

<210> 10808
 <211> 300

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 ttaaattgatt ctatcttata taanaatgct gngtttgagt tttaatttat tntatggatg 360
 aagtgattta acttatttat gtggtagaaa atatttctta ctatagtgtg tgatagtctc 420
 ttatagatat cgactactca cactaaaaaa ctattaa 457

<210> 10811
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10811

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 ctgagccaat ccaaacgaca ataactttnt actcggatgt ctgatttgtt cccgtaatat 120
 aacgagactc tcaaaataga atgttgaagc tctgagctaa ttcaaacgac aataactttt 180
 aactcggatg tctgattgag tcctgtcata catcgagacg ctcgannatg aatgttgaag 240
 ctctgagcca attcaaacga caataactnt atactcggat gtctggatga ctctcgtcac 300
 atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg acaatnaact 360
 tttactcgga tgtttgattg agtccagcat atatcatagc ctcgaaaatg atgttg 416

<210> 10812
 <211> 501
 <212> DNA
 <213> Glycine max
 <400> 10812

agcttgcttc tacagatgat gacaaaaagc ccaagagaat gatttcaaga ttgagtcaac 60
 aagattcaag aatcaagaga agtttgattt caagattgaa gagaagatga attcaagatt 120
 caagagaaga aatcaagaag acttcacaag ggaagtattg aaaagatttt tcaaaaaaaaa 180
 caaacatagc acaattttgt ttttcaatag agtttttctc aaaattttct aagttaccag 240
 agtttttact ctctggtaat cgattaccag tggcaaagct tgatttcaaa agcttttaac 300
 tgaatctgca acgttccaat tgatttttaa atggtgtaat cgattaccag tgtaacttaa 360
 cgttgaaatt caaattcaat tatgaagagt cacatctttt cataaaatgc tttgtgttat 420

cgattacatg gtttttggttaa ttgattacca gtgacaagtt ttgaataaaa agtccagaga 480
 tgtaactcct ctaatgggtt t 501

<210> 10813
 <211> 513
 <212> DNA
 <213> Glycine max
 <400> 10813

agcttgtcta agtccatact atgatttggc caatttgcac accaaggaag ttgggaagtt 60
 ccatataaac ttcttcaaac aaatctccat tcaaaaaagc attattaaca tctaataagga 120
 gaaggcacca gtttctagca gtagcaacac agagcaaaac tctcacagtg gtaagcttga 180
 caactagaga aaaagtataa gagaaaatga ttccagcttg ttgagtatac cctttggcaa 240
 ccaatcgagc tttgtatcta tccacagagc catccatttt atatttaact ttatacaccc 300
 atctacaacc tatacaatgc ttatcaagtg gtaagggaaac aagtcttcag gtggaatttg 360
 ttggacaagt ggcctcaata tcttaagggg aggggggatg aattaagtct tacaaaattg 420
 cacttagaac cttattaaat ctcaagtgcc caggttgatt gcattcatag cattttgggg 480
 gctaagagga attttctcct tccttctttg gat 513

<210> 10814
 <211> 482
 <212> DNA
 <213> Glycine max
 <400> 10814

tccacttgta tattgcaact gatgcaatcc tacctttcat gggtattgga tagaagactc 60
 caaaaggctt gggctagagc tactaaagaa ggcctaagg ttctcatgaa ccttaaggta 120
 gatttttgag cccatgggtc aagggttgat ccactcttct ttgtaaatat taaaataggt 180
 ttttcttcg tttgggtctt gtattttggc cattctagta gtatagggtt ttagccttgt 240
 atttcgaggc attttcagta gtctttgtag tagggatttt ttttggtttt ttcattgtatt 300
 ttgtcatggg ggtgagctta gctattatag ggggtgtgta gctaagctct agcttttcat 360
 ctcaaggagg tgagcctagc tattagaaac gtgtgtgtag cttactcct acttttttta 420
 ggaatcttct caaagaagct tcttaaggag gtgagcttaa ttattaaaag ggtgtgtgta 480

ac

482

<210> 10815
<211> 510
<212> DNA
<213> Glycine max

<400> 10815

agctttattc aagacaaaga aattatagat attcaagatg gatgatcaag acagtctcta 60
tagtcttaga aagggatat taaataggaa gggaattcca attgaagtag caaaagggtt 120
ggccaagaat tttaaattaa aaagtctttt tcaacaaatt tactctctgg taatcgatta 180
ccaaaggatg taatcgatta ccagtggcca aaactgattt acaacagcta ttaaaatttg 240
aattcaaagt ttgcactatg taatcgatta cacatatata gtaatcgatt accagcagtt 300
tctgaacgtt ttaattcaaa ttttaaagct tgtaatcgat tacacatata ctgtaatcga 360
ttaccagaag agagtttcag aaaacattct caacagtcac atctttttgt gtgattcttg 420
aatggctatc ataggcctat atatatgtga cttgagacac gaatttgata agagtttttc 480
aaaacaaaaa ggtcttatcc tcttataaag 510

<210> 10816
<211> 397
<212> DNA
<213> Glycine max

<400> 10816

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caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatatgt 120
gacttgagac acgaatttaa gaagagtttt tggagaacaa aaaggtctta tcctattaaa 180
aagcaaatcg tgttatctc ttacaaattc cttggccaaa ttacttgtga ttcaataagg 240
aattatttga gtgctcaa atgttcagtct atctctttca agagagattt cttcttttct 300
tcttcttcat tctgaaaagg gattaagaga ccgagggtct cctgttgtga aagaattcta 360
aacacaaagg aagggtgtgc ccttgtgtgt taaaact 397

<210> 10817
<211> 487
<212> DNA

<213> Glycine max

<400> 10817

tattgaaact attgataagc ctcccatggt tttctcctga tctaagtgat gctgaagcaa 60
ccaagggtttt tcaaaaatac ctagatgagt gtcttactac taagtgcatt atcttggaat 120
caatgagttc agaactccag aggcaacatc aagacatgga cccatatgag atcgtcgaat 180
atcttaagaa gatgtacggt ggtcaaagcg ggaaggctat atttcaatta tctaaggccc 240
tgtttagatc ctcaattggt gcaaatgaaa aggttggacc ccatgttctt aagatgattg 300
atctcataga acaacttgag aagttggggg ggactcttgg gaaagagctt tctcaagatt 360
tgattctaca atcactttcc gatttatatt cacaatttat tgtgaatttt aacatgaata 420
agatgaattg tgacttgcac gaaatgctta atctgcta attgattatga gaattaaatt 480
gctttttg 487

<210> 10818

<211> 497

<212> DNA

<213> Glycine max

<400> 10818

tgcaatcatt tgggtataaaa ttcacttagt cttgtggctc tacacaaggg tgtctgcaac 60
cttctaaaat agtatctcct tcatcctatt aaaatcaaaa tgacaatggt aaatgctatt 120
cctaaaaaga tccctccaac caaacaggg gataaacaga gaaggaaggt aaatgcgaga 180
agaaaagaat gtagtaattg tgaaaacagc aaattaagta ccaatgaagt gatgtcaggc 240
cttgtgtagg gagtaggaca actagaagcc aaatcagcaa atctcaacta tagattccta 300
tccatgtacc ttagtaactt ttttaattta tagattcttt aaaaaaatt catgggttagt 360
gggggttctac taaatgttgt catgacaaga gtatattcat tagacatcaa aatggaagtt 420
atagtgcctt ttaactaaca aaattatttt tccctgatat ttctctttga tctttctaaa 480
ttgtcaaacc taaatgt 497

<210> 10819

<211> 469

<212> DNA

<213> Glycine max

<400> 10819

tatgctgcaa acatctacaa cagacctcct taaccttagc agtaaaatca gccacaacag 60

aacaactatg acctctcaag caacaggtgc aatcccagat agaggaatca tcccaacctt 120

agatggtcga atccttcaca acagcagcaa caacaacagc cttatttttca aaatgttggt 180

ggcccaagca gaccatgcgt tctccacca atctagcaac aacaacaaca acaacaacaa 240

caacaataac aacagcccca gaaacagcaa acagttgagg cccctccgca accttcctt 300

gaagaacttg tgaggcaa atgactatgcaa aacatgcagt ttcaacaaga gaccagagcc 360

tccattcaga gcttaactaa tcagatggga cagtgggcta cacaattaa tcaacaacag 420

tcccaaaatt ctgatagatt accttctcaa tctgtccaaa atcccaaaa 469

<210> 10820

<211> 497

<212> DNA

<213> Glycine max

<400> 10820

agcttggttc taaacactca cttatttcca acagctgatt tgcctttggg gagttccaaa 60

agcttctaga cattgttctt cggaactgg tccagctcta cttgcattgc ttgacccaa 120

tggtcatcaa acatagcatc atctatgtgt tttggctcaa tctttgatag tagcactgta 180

tgcttgagag agttccttgt tttcactttg tcttaggat caccaatgat ttgaggcttt 240

ggatgatgtt ttggttagcaa gggctctatt gggtctctga ctttttttagg ttgatcatcc 300

actggtctgt tggacgcaag ctcatcttgg ctagacgcag aagaacactt gacgatattt 360

tctattttca tctctgaaa agaattatcc agctctaaca ttgtagtgtc aaacttggtg 420

tcattaaatc ttacatgaat agcctcttct acaataaagg ttctagagtt gtacactcta 480

tatgccttgg acgattt 497

<210> 10821

<211> 511

<212> DNA

<213> Glycine max

<400> 10821

agctttccac attgaattca ttacctaagc tcatattaga tgggaattgg gtatcttaac 60

ataagaaatt tcagatggac tttaatccta atcccacagc cgaccttttc acgagatctc 120
 tacttaaccc tttgggttaa tgatccaaat tatgctgagt tctcaciaaac tccactgata 180
 tcacaccatg catgattaac tcccgaacca tgttgtgtct aacacccaag tgtctagact 240
 tcccattata cacttgacta tatgccttag ccaaagtagt ctgactatcg cacctgatag 300
 acatgggagg tataggtttg ggccacaatg gaatctcata gatcagattt cttagccact 360
 cagcttcttt accagctgct gctaaagcta caaattcaga ttccattgtt gaatttgtaa 420
 tgcaggtctg tttcttggat gcccaagaga tagcacctcc tccaaggagg aatacccaac 480
 cacttgtgga tgaataatct tccatattgg t 511

<210> 10822
 <211> 523
 <212> DNA
 <213> Glycine max

<400> 10822
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 aagttatctt ttccattatt caatacaaaa catttacaac caaagatatg aagatgtgag 120
 atgtttgggt ttctgccatt gaacaattca tatggagttt tctttaaaat ggggtcttatt 180
 aaagccctat ttaaaatgta gcatgcagtg ttaatggctt cagcccaaaa gtattttgga 240
 agaggagtat catttaataa agttctagca atctcttcca aagatctatt tttcctttca 300
 acaacaccat tttgttgagg ggttcttggg gcagaaaagt tatgctcaat cccatgctta 360
 tcacaaaata attcaaattc tttattttca aactcacccc tatgatcact cctaatagat 420
 ataatcttga gatttttctt attttggatg atttttgcaa gttttctaaa tgcttgaaat 480
 gcatcattct tatgagtgat aaaaagagtc catgtgtatc tag 523

<210> 10823
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 10823
 agcttcacaa gcaagcttcc atcattacca aacttttgta cgcacttcta ctggggcaac 60
 cccattctct ttggtatatg ggatggaagc tatgctccat tttgaggtgg agattcattc 120

tttgagaatt ctagcagagt caggattgga agaagtagaa tgggccccagg cacgttttga 180
 ctagttaaata gttattgagg gaaattggct gccataagtc atgggcgact atatcagagt 240
 agaatgaaaa gtgcattcga aaaaaacgtg cgcttgtgtg agttcaccga gggggatctt 300
 attttgaaga aaatatcgca tgttcagaaa gatcattgag ggaaatgggc cctgaactat 360
 gaaggacctt ttatggtaaa gaaggctttc tcgggtggag cattgttact tatgaatatg 420
 gatgatgaag agctgccttt gcctgtgaat tctgatgttg ttaagtgata ctatgcatga 480
 tattggggac agtttgaaag ttcac 505

<210> 10824
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 10824
 agctttgatg atgtctatat tgagtcacat gtttgtcatc atcaaaaagg gggagattgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaacaag gctcatttgc 120
 ttcaagatta atacaagatt gttttaacaa acaaagcctt gattcaagct ttcttcaaga 180
 tcaagccttg cctcacaagg aaaggtttca agtcatccaa gggacatgta atcgattacc 240
 aatggttcga aagtgtgtaa tcgattacac atcatatgta attgattacc agagactctg 300
 aacgttggga attcaaattt taaatgaaga gttacaattg ttcaagaaaa acaactgtgt 360
 aatcgattac accaattctg taatcgatta ccagagagga ttttcaagga atatcgccaa 420
 cagtcacatc ttattatttg gatatttgaat ggccatcaaa agcctatata tatgtgtgac 480
 ttggggac 487

<210> 10825
 <211> 473
 <212> DNA
 <213> Glycine max

<400> 10825
 agctttgagt tttatatttt atttggggga agattatcat tttctcactt acttttattt 60
 gtaatctttg cttcaatttt caggccttca acagatgaac gaactgcaat atagaattct 120
 tatcagaaga ggtacaaata gagctaatac aatggtaaga catcaatcag ataagttact 180

ccaccacaca cactaacata tttgtgagga gaaaaaaaaa tgttccctta cctgaaatgg 240
cagggcatgag tgcaccaaca caaattatca tgcaagcacc cagtaaaaca aaaataagca 300
aaaccgtttt tgtacctctt gtgtttctca atgaatcttt ttaaaggcga ggggtggatg 360
cttctatttg aggaaccagg ttttgtgata tgtagaaagc ttcctcatca caaacttgat 420
gattaagaag caaacaaaat tttgcatttc tgcaaagggtg tgaatacaaa aca 473

<210> 10826
<211> 491
<212> DNA
<213> Glycine max

<400> 10826

tcagagggtg cttgatgagc ttaacgacaa tactgtcatt gtgtttgtta acaccaagag 60
gaatgcggat catgttgcca agagtttga taaggaaggg tatcgcgta ctactttgca 120
tggagggaaag tcgcaggagc agagggagat tagtcttgaa gggtttagga ccaagagata 180
taatgttctt gttgctactg atgttgctgg acgtgggatt gacatacctg atgtggctca 240
tgtcatcaac tatgatatgc ctgggaatat tgaaatggac acgcaccgga ttgggcgtac 300
tggtcctgca agaaagacgg gtgtggctac cacgttcttg actcttcagg actctgatgt 360
cttctatgac ctcaagcaga tgcttattca aagtaacagt cctgttccac ctgaactggc 420
aaggcatgaa gtttcaaaat tcaaaccagg aactatttca gacagaccac ctaaccaaatt 480
gacactgttt t 491

<210> 10827
<211> 501
<212> DNA
<213> Glycine max

<400> 10827

agcttgaaag aagaatattt ttaattaatg taaataaatt aaaaattaag tggcgataat 60
gaagggtgat taatgggtat ctagatttca taaagttaga aaagggttaa ttaaattata 120
agagtttaaa gtggagaaca tttttgtaaa taactataca actagtttaa aaatagaatt 180
ttagtttaat tagttgggtga ctaattaaag tgtttggtta tatgatgtag aataattaa 240
ataagttaga gttgtaacac agtgaaaaat tacaactcag actgacagag aaattgtggt 300

gtgtcatttg tgtatgtatg aatttaattt caatacttgt atgtttttaaa ttatagaatt 360
 tgcgtgctat atatgtctat acttagtgta aataatttgt ttagtctacc ttgacaagga 420
 tatggaaact acttaacaaa aatttcatct gtaacaaaaa tacgttgtag actgagtgc 480
 agtgtaattt aactctgtgt g 501

<210> 10828
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10828

tgaagccctt aaaattgaga gaaatgtagc tttttgctgt aaactgtcac atgagatttg 60
 aacatctact ggatgagagt actattgaag tgaacagtcc cagaaatgct ttcctgcatc 120
 tgatcaggaa gataaatccg gatattttta ctcagatcat tattaatgga tcatatgatg 180
 cccctttctt tgccacacgg tttagggagg cactcttcca ttattctgct atttatgaca 240
 tgtttgacac tgtcataact agtgaaaatg aatggaggat gacgattgag agtgagcttt 300
 tgggccggga ggttatgaat gttatagcat gtgaaggntc tganagggnt caaaaacctg 360
 agacatacaa acaatggcag gtttgaata ccaaggctgg ttttaagcag gtccctctga 420
 atgaagaatt aatg 434

<210> 10829
 <211> 503
 <212> DNA
 <213> Glycine max
 <400> 10829

agcttgcaaa ccattccatt ctccacacat attactagct ccatcatatc cttgacctca 60
 tataatttga atgttgagat tatgatgaga caatattgaa catatcccat gcttaagaat 120
 ggatgatgta gtatcttgca tatgtatcat atccaaaaaa tgctccttaa catatccatt 180
 cttatcaaca aatctaagaa ctagagttgt ttgttctctt ttagattcat catgggcttc 240
 atcaacaatg aaacaaaatt ttgcattacc aatctcttct tgaatttcat cttgcacctt 300
 tctagcaaag acatatagaa tatctttttg gatagtgagt gaaatgtatc ttacattttg 360
 agggacgttt tccgagataa tttcatctat ttccttatta taagaagcta agagctttat 420

catttcaaga aagttaccac ggtttccaga tcccacactt tcatcatgtc ccctaaaaat 480
gcaagcttga aatgtcaacc att 503

<210> 10830
<211> 511
<212> DNA
<213> Glycine max

<400> 10830

ttcctatctt aaagatttgt ttggtaaatt taacaaagga aaaagtgatc ttaatcacat 60
gcttaatgtg caaaagcata ctacaaataa gaccgactta tgggtataaca agcaaaccac 120
cttttcaaag aaaacaaagt ttgtatcctc aaaagagggtg aacccaaaca aggtctacaa 180
gtgaggaaca cagtgaattc taggagaaat gcaaagacat gtcattattg catgaaaaga 240
cttctttcaa agcaaaaaac attttttcta cttcaaaacc ctttaaacta cttcacattg 300
atttatttgg tccttctaga actatgagtt tagatgaaaa ttactatggc ttagtaataa 360
tggatgatta ctcaagggtc acatgacttt gtttttgaaa accaaaaatg aagcttttaa 420
tgcttttcgc aaacttgcca aggtgattca aaatgaaaaa gtctgaacat ttttccactt 480
agaagtgatc atggaagtga atttcaaaat g 511

<210> 10831
<211> 508
<212> DNA
<213> Glycine max

<400> 10831

agcttggtgc tctttgcatt cagtgtttac aggataaggt ttgtgctcta cacttccttg 60
ctagtgtggg tgcatttttg gaactgcata ttgcacatga cggtttttgt taaccacctt 120
agttattgta ggttcattca attcgtgaag cagctgctaa caacttgaaa cgccttgctg 180
aagaatttgg tcctgagtgg gctatgcagc acataattcc tcaggttcat ctatttactt 240
aatttattat taacgaaatg atacaccaac atatgtcaac attaattcgt ctgtgtgggt 300
ttttgtgcat gtcttgaaat atatgtttgc tatatgctat taccttttct attctcccaa 360
gtgtaacttc agaagtatct atatggaatg tgtggaacag gttttggaga tgaacaacaa 420
cccacactat ttgtatcgga tgactattct tcgggctatc tctttgcttg ctctgggat 480

gggccctgaa atcacttggtt caaacttg

508

<210> 10832

<211> 492

<212> DNA

<213> Glycine max

<400> 10832

tgttcaagcc ataaatcgac ctctttatctt ttataccaag tccttattac cacgaataca 60

aaaaccttta ggttggtgca tgtatattgt ctactcaaa tcaccattca gaaaagttat 120

ctttacatcc atttagtgca actccaaatc gaaatgagct atgagggtca taatgattct 180

aaaggaatcc tttgtcgata taggggaaaa agtctcttta aagtcaacaa cctcattttg 240

cataaaatct tttgtcacta gtctaaccctt aaatctttca atgttaccat ttgagtcttt 300

ctttgtctta aagaccatt tacaaccgat tgccttataa ttctcaggca acttaactag 360

ctcccatata ccattaactg acatagattg catctcttta ttcatgcat gccttcacat 420

tttttttact aaaggaaga aacaacttca tgataattct tttggatcaa taatgtctcc 480

aatgtcgtat gc 492

<210> 10833

<211> 494

<212> DNA

<213> Glycine max

<400> 10833

agcttcatga tgatgaatct tgttgattca agtagttttg atgatgacaa aaagcccaaa 60

gaatgatttc aagattgagt caacaagttc aagatcaaga ttaatttcaa gtttcatgag 120

aagaaatcaa gaagattcaa gaatcaagag aagtttgatt tcaagattca agagaagaaa 180

tcaagaagac ttcacaaggg aagtattgaa aagatttttc aaaaaacaaa catagcacag 240

ttttgttttc aaaataattt ttctcaaaat tttccaagtt accagagttt ttactctcta 300

gtaatcgatt accaatggca aagtttgatt tcaaaagctt ttaactaaat ttgcaacggt 360

ccaattgttt tttaaatggg gtaatcgatt acaatatatt ggtaatcgat taccagtgtg 420

tctgaacggt gaaattcaaa ttcaattgtg aagagtcaca ttttttcata aaatgctttg 480

tgtaatcgat taca 494

<210> 10834
 <211> 500
 <212> DNA
 <213> Glycine max

<400> 10834

agcttaggat ctactcagtt aaaaaattta aagtgtgcat caactagcca aaaccattaa 60
 aggaattcat agaagacatc acataagcca tatgaatatg accacatcca caaagaaatt 120
 gagctagtta taattacaaa gtatgaaatg agacaaggca ataatcatgt gattgattat 180
 aaggcctaag atgtcagtcc gaactataca caacttcctg ctctcactac agagcatagg 240
 gaccaaaca agacaaacta atggagagggc aacattaaag gttggccaga tagttaatac 300
 ctcttattaa tctctgggtc ttaaatacata atgttgattg agccttctga ttcttaatac 360
 taatattgag caagcctttt gtgcctttct cttctttttt ctttagcttt ggggggttgaa 420
 gaaccacttt gatagtgggc gcaaagacaa ctttcacatt ctgttattaa ctgggggcaca 480
 tgaaaacttg tgatataaac 500

<210> 10835
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 10835

tgtcccatgc ttcttggggc gtaggcgctt ttgatatttt gtcaactgta gcttcatcca 60
 ccgattgcta tatgagaaac agagccttct cgtctctctt tcttgactcc ttccaccttt 120
 cctttacacc ttggctgaac taggcttcat cttgcttcac aaaccattc tctacgatat 180
 cccacacatc tagagctcct agtagcgctt tcatgttgat actccaatta tcatagatga 240
 tctttgtgat catctgcatt cggaaaaggaa aacctccatt cgccatcttt cgaggatctt 300
 gaacctttga taccactttg ttggaaataa ggctctttgt gttttcgaaa aggggtttatg 360
 aatattggag ac 372

<210> 10836
 <211> 523
 <212> DNA
 <213> Glycine max

<400> 10836

tgggaactac ctaatactca gctttggaaa atgatttcta tacaaatfff atttttataa 60
agcgactaac aaatatggaa ctgaatctca ttttgacatt ttaactcttc cctaaattcc 120
aatatagatt tgtgatttat ccaaaactat ttgtgtaaac atatatatta tacttagaat 180
tatatfifta atagttctgt acacttatta gtttttatgc atataataaa tatttttgta 240
gaaagtgtct aggtctatft tgaatttgta ggttgagttc tttgtgaaat aaaataaata 300
ttaaagaat gcacttaatg tttggatcta ttttactcaa aatccatggt gtaaagacac 360
ttcttcatc aactgtaagt ctaagtaaaa aggtgttatc aatcaatggt tttgaactgt 420
cattgaaaag ttgtccactt tctacgacgg tcaattcaat attccatgct aaccttgatg 480
ttaaagtcc ttccaaacc atggttgaaa tcctftttttt ttc 523

<210> 10837

<211> 511

<212> DNA

<213> Glycine max

<400> 10837

tccttgaaaa gattcctaaa aaagctagag cttagttaca cacacctatc taatagctaa 60
gtcacctcc ttgagatgag aagctagaac ttagctacac acccctata atagctaagc 120
tcaccccat gaaaaaatac atgaaaatac aaaaaaaat ccctactaca aagactactc 180
aaaatgcctc gaaatacaag actaaaacc tatactacta gaatgaccaa aatacaaggc 240
ccaaacgaag gaaaaaccta ttctaattatt tacaaagata agcgggtca tacttagccc 300
atgggctcga aatctaccct aaggctcatg agaaccctag ggccttcct tggatctttg 360
gcacaatcta cctggagtct tctatccaat gcccttgagg gtaggattg catcacagct 420
gtggtctttg ccttaaagat ttggaggcac tatttatatg gtactcgggt tgaagttttc 480
agcgatcaca agagcctcaa atacttgttc g 511

<210> 10838

<211> 506

<212> DNA

<213> Glycine max

<400> 10838

tgtgcatcca atacctgat gaggatgtcc cgtatgttct taaaactgga ctgattcatt 60
 tgcttccaaa gtttcatggc cttgcagggtg aagacccgca caaacatttg aaggaatttc 120
 atattgtctg ctccaccatg aaacccccag atttccaaga ggatcatata tttctgaagg 180
 cttttcctca ttcttttagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240
 ccatcacgag ctgggatgac ttgaagagag tattcttaga aaaaattttc cctgcttcca 300
 ggaccacaac catcaggaag gatatctcag gtattagaca actcagtgga gagagcctgt 360
 atgaatactg ggagagattt aaaaaactat gtgccttgggt aaccaactg gccttgaacc 420
 agaaatatgt acttgttgca aggggtcaatg gtttgtgctt ctctactgac caccatacag 480
 acctttgccc ttccatgcag caacct 506

<210> 10839
 <211> 471
 <212> DNA
 <213> Glycine max
 <400> 10839

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 atctgaagtt taatattcaa atgatcaaag ttgaaaaaat gcacacacat tacctctatt 120
 tatagcctaa gtgtcacaca aaattggagg gaaatttgaa tttcaattca aatttcactt 180
 gaatttgaaa ttgaatttgt ggagccaaac tttggagcca aaatttcact aattatgatt 240
 agtgaatttt agttatggtt cagcctacta atccaagatc aattccaaga ttctccacta 300
 agtgtgctta ggtgtcatga ggcataaaaa gcatgaagga catgcccaaa gtgtgactat 360
 atgatgtgac aatgggggtgt agtaagcaaa tgctcacctc cccctttaaa atttaattgg 420
 attgggcttc taccaattca attaaatttt atttcccaac acacacatca a 471

<210> 10840
 <211> 503
 <212> DNA
 <213> Glycine max
 <400> 10840

tggattgggt cgactcattt tcacctctat tgatttttgg cacttacgat taggcatcc 60
 atctaataaa gttcttgatc aagtatgtac caactttact tatgtcaaaa taaataaaaag 120

tagtgtttgt gatacatgcc atttagcaaa acaaagcaag cttacttttt cttctagtgt 180
 tactggtaca cgcaagcctt ttgaattagt tcacatggat atttggggaa cccttgctac 240
 cccctctttg catggacata aatattttct tactgtggta gatgatttta caaggcacac 300
 ttggttggtc ctcatgaaat taaaatctga aactagaaac ctcattgaaa actttattca 360
 ttttggttgg aatcaattta atgctatttg ttaagactat tatttcaaaa catggggcct 420
 aattttggct attcccgaac tctattaaaa aaatatggga tttttacata ataatttaat 480
 gtgtttcaca accacaaaca aaa 503

<210> 10841
 <211> 511
 <212> DNA
 <213> Glycine max

<400> 10841
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 gctgctcttt attctttaat ttagagcaca actogttcaa atctttaatg ctttattact 120
 gcagtatatt ttatatctta acattatgaa atgctttgat aaaatgttag caactgttaa 180
 gtgaaaatgt tcctcttttt gtaatacaga attcatggcc tcaaactctgg aaagatgttg 240
 aaagagttcc gtggccatac atcttatgtg aatgatgcaa tttttacaaa tgatgggagt 300
 cgtgttatta ctgcctcaag tgactgtaca atcaaggctt gttacttggc attgtacttg 360
 aagttccttg ttcatttggt gttcatatga gatgtctttt tcctccgtat tgtaagtctg 420
 ggatgtaaag actacagact gcataccaac ttttaagccc cctcctcctt taaagggtgtg 480
 tcttccaaaa atttactatt atggggtttt g 511

<210> 10842
 <211> 507
 <212> DNA
 <213> Glycine max

<400> 10842
 agctttggct gattcaaaat ggtttaatgc aatgcaaca gaatatgagg cactgatgaa 60
 taacaagacc tgggatttgg tttctcttcc acccaataga aaagcagtgg gtttcaaatg 120
 ggtgttcaga gtcaaagaaa gtgcagatgg gactgtcaat aaatacaaaag ctagactagt 180

agcaaaaagga tttcatcaag tggctggttc taatttcaat gaaacttttt ccctgttat 240
 catacctggt acggtaaggt tgattctcac cttgggtcta accaataagt gggaactcct 300
 tcaacttgat gttaacaatg cttctctaaa tggttttcta gaggaacca tctatatgca 360
 gcaacccccct ggatttgaaa accccaatac ttctcttggt tgtaaattga ataaggctct 420
 atatgggctt aagcaagcac caagacagtg gtttgataga ctaaaatcta cactcttgca 480
 tcttggtttt tttgcaagca agtgatc 507

<210> 10843
 <211> 489
 <212> DNA
 <213> Glycine max

<400> 10843

agctttattc aagacaaata aattaaagat attcaagatg gatgatcaag acagtctcta 60
 gagtcttagg aatggtatat taaataggaa gggaattcct aattgaagta gcaaaagggt 120
 tggccaagaa atttaagtta aaaagtcttt ttcaagagat ttactctctg gtaatcgatt 180
 accagaggat gtaattgatt accagtggcc aaaaatgatt tacaacagct attaaaattt 240
 gaattcaaaa tttgcaactgt gtaatcgatt acacatatat ggtaatcgat taccagcagt 300
 tattgaacgt ttttaattcaa attttaaagc ttgtaatcga ttacacacat actataatcg 360
 attaccagag gagattttca gaaaatattg tcaacagtca catcttttca tttggttctt 420
 gaatggccat caaaggccta tatatatgtg aattgagaca cgaatttgct aagagtttta 480
 taacaaaaa 489

<210> 10844
 <211> 500
 <212> DNA
 <213> Glycine max

<400> 10844

taacaaatac ccaatcacct tctcagaatc taacatcatg tctattgtta ttaggaaaat 60
 gtttcatagt atgatgagct ttgataagtt tcttcctaaa atcagcgaat acagcttcgc 120
 ggtcagcaag aaagtcatcc tcggcatcaa ggttgatgt tcccgtcaca taatgcggaa 180
 tattgggagg tttcttccca aaggatgatc tgtaaggatg cagcccatg cctgaatgaa 240

tggatgtatt atacgaccat tctgcccata gtaagaattt tccccagggt gaaggtcgag 300
 gatgaacaaa agctcccaaa tactgttcta ttatgogatt taacacctca gtctatccat 360
 ggatcttgcc aacaatgtgc atgaagagct gcgccaccat tgaagctatg taatggggtt 420
 ggagggtacc aaagtgaatt ccctttgaaa aaccgtctat gacgaccaag atcacagtgt 480
 gtcccccgaa aactggcaat 500

<210> 10845
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 10845

agctttggag tttccaagt ccaattcgtc ttcttcttta gtccagtctt cttctgggtt 60
 caattcttca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc cagggttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180
 atattcatag ttgcttccat caagaattgg tggctgttgc actggtcgcg cttctttctc 240
 catgttcate agaatttate accctagatc tcaactctgtg atttcgagtg ttggctctga 300
 taccaaatga aattctgata ccagggggaca gatgtcgtac cggatgtcac gacatcacgc 360
 ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtaa ataacataag 420
 agaattgttt acccagttcg gtgcaacctc acctacatct gggggctacc aagccaggga 480
 ggaaatccac tctcaatagt gtt 503

<210> 10846
 <211> 497
 <212> DNA
 <213> Glycine max

<400> 10846

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 aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
 tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
 atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360
 ctctagaaac attacaagaa cattttttatt ggctcatat gaaaaaggat gtgcagaaat 420
 tttgtgaaca ttgcattgta tgtaaaaagg caaagtctaa ggtaaaacct catggattgt 480
 atactccatt gcccaatt 497

<210> 10847
 <211> 458
 <212> DNA
 <213> Glycine max

<400> 10847

tataatatat cgatacgcta gaaattaaat gtcggaaact ctcgggaaat tcaaatggtc 60
 ataacgtttc acacggatgt ccgattcggg cacataatat gtcgagaggc tcgaaattga 120
 acaacggaag ctcttgagaa atttaaatgg tcataactta taactcggat gtctaattca 180
 ggcgcatcac atatagaggc actcaaaatt gaacaacgga agctctcgag aaattcaaatt 240
 gggtataact attcacactg aggttcgatt catgattata atatatcaag aactcgtgaa 300
 ctaaacatcg gaagctctcg ataaattcaa ttggtcataa cttttcacac gaatgtccga 360
 ttcgggcgca taatatgtcc acacgctcgg attttgaaca acggaaagct tcgggaaatt 420
 taaatggtea taccttttca cacctgaagt ccgattca 458

<210> 10848
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 10848

tataatatat cgatacgctc gaaattaatt tttggaaact ctcaagaaat tcaaatggtc 60
 ataacttttc tcacggatgt ccgattcggg cgcataagat gtcgagaggc tcgaatttga 120
 acaacggaag ctcttgagaa attcaaattgg tcataacatt tcacacggat gtccgattca 180
 agcttataat atacgatac gtcgaaatt aaacgtcgga aactctcggg aaattcaaatt 240
 ggtcataacg tttcacacgg atgtccgatt cgggcacata atatgtcgag aggctcgaaa 300
 ttgaacaacg gaagctcttg agaaatttaa atggtcataa cttatcactc ggatgtctaa 360
 ttcaggcgca tcacatatag aggcgctcga aatgaacaa cggaagctct cgagaaattc 420

aaat

424

<210> 10849
<211> 502
<212> DNA
<213> Glycine max

<400> 10849

agctttacta tgcagagaat atccaaggaa aataccttca tctgacttag catcaaattt 60
tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120
tgagatgttt gggtttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180
tattaaagcc ctatttaaaa tgtagcacgc agtggttaacg gcttcagccc aaaagtattt 240
tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttctt 300
ttccacaaca ccattttgtt gaggggttct tgggtgcagaa aagttatgct caatcccatg 360
cttatcacia aataattcaa attctttatt ttcaaactca ccccatgat cactcctaata 420
agatataatc tttagatttt tcttattttg aatgattttt gcaagttttc taaatgcttg 480
aaatgcatca ttcttatgag tg 502

<210> 10850
<211> 404
<212> DNA
<213> Glycine max

<400> 10850

agcttgaatc ggacatccgt gtgaaaagtt acgagatttt gaatttctca agagcttcca 60
ttgttcaatt tcgagcattc ttccctttta taagcctgaa tcggacattc gtgtgaaaag 120
ttatgaccat ttgaatttct caagagcttc cgttggtcaa ttctgagcct ctcgacatct 180
tatacgcccg aatcgaacat ccgtgtgaaa agttatgacc atttgaattt ctcgagagct 240
tccgatgttt aatttcgagc gtatcgatat attataagct tgaatcggac atccgtgtga 300
aaagttacga gatattgaat ttctcaagag cttccattgt tcaatttcga gcctctcgac 360
atcttatacg cccgaatcga acatcccggt gaaaagttat gacc 404

<210> 10851
<211> 493

<212> DNA
 <213> Glycine max
 <400> 10851

agcttcatgc ttaagtatgt atggcaaaac ttcattatta ttgttcaaga catacaagtg 60
 agcttgaac aaatctttta gacttggagt gatcacatgc agtcctcttg aacccttacc 120
 acccactctg tcatcatgcc gagactcagg aaggccaata ggtttagcct tctcaatgta 180
 ttctgaacaa aattcaatga cttcttttgc aatgtacctc tcaacaatag atgcttctag 240
 atgataagga ttctttgtat acccttttaa gatcttcatg tattgctcaa ccgggtacat 300
 ccaccacaaa taaacaggac cacaacattt gattttctctg accagatcca taatcaagtg 360
 aatcatgatg tcaaagaaag caggggaaaa atacatctcc aactggcata gtataatttc 420
 ggcctcattt tccagctcat catacttgac aggatcaacg actttgctat atatggcatg 480
 gaaaaaaaaag cac 493

<210> 10852
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 10852

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 ttcttagagc ttccggtttta attacgagcg gtcgatata ttacgggact gaatcagaca 120
 tccgaggaaa acgtttttgt cattagaatt tgctcagagc ttttgttttc aatatcaagc 180
 gtctcggttat attacgggac ttaattgtac atctgagtta aaatttaatg gggtttgaat 240
 ttgctacgac cttctctttc caattacgag cgctcgata tactacggga cacaatcgga 300
 catccgagat ataagttatt tttttttgca tttgctcaga gcttatgttt tcaatttcga 360
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 aatttgc 427

<210> 10853
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 10853

agcttggtgcc ttttcacgtc tggaatatga atatcatata gatccaaaga cccttaggtg 60
ctttgctgat ggcttcttcc cgttccaagc ttcaattgga gtcttgtctt ttacagactt 120
agttggacat ctggttgagta tgtaaacagc aatgtagact acttcagccc aaaatgtgtt 180
aggtagtccc ttctccttga gcatcgatct agccatttcc ataactgtgc gattttttct 240
ctcagacact ccattttggt gaggagaata tgcgactgta agttttcgct caatgccttc 300
atcctcacia aatctttcaa acttgcgaga ggtgtactct tttccgtgat cacttcttag 360
tacttttatc cattttccac tntgattttt cagca 395

<210> 10854

<211> 343

<212> DNA

<213> Glycine max

<400> 10854

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aaaactccgg gtcctggtgc tcaaacagct ctctgtgccc ttgctcggtc aagaatgaaa 120
attggtcgta taggtatttg ccttcacttt atttgcccat tgtcatgttt ttatgtgttg 180
gctgcatatt ttccaggggtg taacatattg tggtgaagca tttattttct tggttaatct 240
gaagagtcag tgtttatctc tccctttcga ttgcagcttt gttttcttat tgatttcatt 300
tgaatggcat gtactgtgaa gtacttatta atgggtcttg att 343

<210> 10855

<211> 312

<212> DNA

<213> Glycine max

<400> 10855

tactcggatg tctgaatgag tcccttcata tatcgagacg ctcgaaattg aatgttgaag 60
ctctgagcca aatcaagccg acaatatctt tttactccga tgtctgattg aggcccgctc 120
tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattccaac gacaataact 180
tttttctcgg atgtctgaat gagtcccgctc atatctcgag acgctcgaaa ttgaatgttg 240
aagctctgag ccaattcaaa cgacaataac tctttactcg gatgtctgat tgagtctgt 300

catatatcga ga

312

<210> 10856
<211> 358
<212> DNA
<213> Glycine max

<400> 10856

agcttatctc cagcatagtc aacatcacag tagcttgtga gtccaaaatc tttccttctt 60
ttaaagcata gaccaagggtt ataagttcca ataagatata taaaaatgca ttttaataaca 120
gataaaaagga ctttccttgg ttctttttga aaccttgcac ataagtaaact actaaacatt 180
atatcaggcc tatagcttat aaggtataac aatgatccaa tcattgctat ttattggggtt 240
ttgtccaact ttttttagatt cttcgtccaa cctaagtat ctagttggat gtataggtgt 300
ctccatttct tttgcattgt ccacgttgaa catatttagt aagtctttca tatacttg 358

<210> 10857
<211> 390
<212> DNA
<213> Glycine max

<400> 10857

ggatcttctt catcaacgga gtcctttgct tcttgaagtt caatggaagc ggaatggaga 60
aggaagaaag atgattggag atgccacttc aaggagaaga tgagtcaaga acaagctcac 120
caccataaga agccatggat aaaaacttga aggtaggaga agatgagtgagg agggagaagg 180
agagaaggag caccgaaattt agttcctcaa atgaggtatg aactttgaag tgtaattctc 240
aatgatcaa agttcaaaaa atacacacat atggccttta tttatagcct aagtgtcaca 300
caaaattgta gggaaatttg aatttctatt caaatttcac ttgaatttga aattgaattt 360
gtggagccaa aatttcacta attatgatta 390

<210> 10858
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10858

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taagatgggc attgaccaat ccctatttta tgatttaaca aaattgccta gtgaagggtgt 120
accttttgag ggtgcattga ttgatgaatg gaaattctat ttctctgtgc atgatgcctg 180
ccggttggtt tgcaccaatc aagcggatat gaccggaaga cttcttggtca gttcattggc 240
ttttgagagc cgcacacctc attaccttat tgttcgcac ttactcccta gatcttcaaa 300
ccttgctcag gtttctgaag aagatctcat tgtcatgtgg gcctttcata aaggtttaca 360
aattgattgg gcacaccttg ntagatatcg catgcataag gcatngcgaa tgaatgcccc 420
nttgcttat cctcatctta ttactcttt 449

<210> 10859
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10859

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agaagtggat tcaactctttt gtcttggatg ataggaatga aggctcctac ccttatttat 120
actactccac ctctacaatg aatggtggag attacttgta tcttatggtg gagattaatt 180
ctctagaatg cttcacacat tctatgagtc tctacactct gctactccct tccatactct 240
ntcataaggt tctagaaggt tccacacatc tccagaatat tccagaggtt tctacattct 300
tccacaagct tctagagagt tctacactac tctagagttc tctaggacgt tctagaaaat 360
tctacacttt tctagaaagc tctagaattt tct 393

<210> 10860
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 10860

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tcaccattaa gaaaagttgt tttaacatca atttggtgca actcaagggtc aaaatgagca 120
actaatgcca agattatacg aagagaatct ttcttagata ctggagaaaa agtctctttg 180
taatctattc cttccttttg agtaaactct ttagcaacaa gtcttgctt gtatctctcg 240

atgttgcccta atgaatccct ttggtcttta aaggcccatt tataatccaat gacctttgcc 300
ccattatgca actctacaag gttccaaact ttgttactct gcatagaatt catctcatcc 360
ttcatggcag tcataaccata aattgactct ttacaactca tggctttgat caaaagttca 420
ggatcattnt cagctncaat attata 446

<210> 10861
<211> 343
<212> DNA
<213> Glycine max

<400> 10861

tgggcaaadc cgaggactgg tgtacggagg cagcatcttc tctcaattgt agtcaaattgg 60
atattccatt gtcttacctt ggaattcctg taggggtcaa ctctaaaaat aggtctgtgt 120
ggcaccccat tattaccaaa tgcgaggctc aacttacgaa atggaagcaa agaaatctat 180
caatggggggg tagaataacc ctcatattt cagtcttaac agccttacct atatatttgc 240
tatccttctt caagagtcct aagctagcgg tgcagaagat tacatctata caaaggatat 300
tttgatgggg caacctccaa gactccatta agaatecttg ggt 343

<210> 10862
<211> 436
<212> DNA
<213> Glycine max

<400> 10862

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aaacgactca ttcagctctg acattatagt gtttgtctta ttgccattaa atcttacagg 120
aatgtccttt tccataatca aggtttttaga gttatacact ctatatgcct tggataattg 180
agagtattca agtaagaatc cataatcaca ttgggagtca aactctttaa agttatcctt 240
gggtgttcaaa atgaaacgtt gacatccaaa tgggtggaaa taaaaaatat tacgcttacc 300
ttcctttcac aattaatagg gagtcttctg taagattgac ctaatataga ctcttgatg 360
taaaaaacaa acagtgtgat cgacgccgta ctcgaatcaa ataaacatga taatgcagta 420
actatgaagt gacct 436

[illegible]

<210>	10864
<211>	471
<212>	DNA
<213>	Glycine max

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tcttaagaag	gggggggttg	aattaagata	ttcgaaactt	ttctccta	taaaaatcta	120
tcttactttt	tacttaaggt	atgaattccc	ttaatgacaa	tcttcttaaa	tattaattca	180
aatgaagcaa	cttgaattat	gaatataaag	caataataaa	taaaggagat	taagggaaga	240
gaaaatgcaa	actcagtttt	atactggttc	ggccacaccc	ttgtgcctac	gtccagtc	300
caagcaaccc	gcttgagagt	tccactaact	tggttaattcc	ttttacaagt	tctaaacaca	360
caaggacaac	ccttcctttg	tgttagagat	tcttacaaca	agagactcac	agtctcttaa	420
tcccttagag	aatgagaaga	agaagaggaa	canatctctc	tagaaaagaga	t	471

<400>	10865
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4606

tttcttcaga tcgcctatgt tagtggatag atattgactc acaagaaatt acataatctt 180
tcttagatgt aacgcaaata cacctggacc gctttcttcc ttttccgaca cacctacaca 240
cttttctaaa ttatgaaaac atacacaaac tttcttagat atgatgcagc tatgtgagag 300
aagtcatacg caacaactat tgagtatttt tcatcaaaaa caacgcgggtt ttgctccttt 360
gactataaaa catgttttatt aaaaaatat ttctgcacaa aatgcaaaca agttctcaca 420

<210> 10866
<211> 435
<212> DNA
<213> Glycine max

<400> 10866

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gacggagcta caaaaattgt gactactgtc catctctaac attatatcgt ccaacttcta 120
cacaccaaca cattagaaaa taaataaaaa atacataacc taattgttgc ctttgaaaca 180
ccgtaatttc tctatcatta agtgccgtga atggtacaca acaatgacac tagtatcttc 240
cattaacaga agaagaatgg cagaattaa ataagttatt attataaata gctttttttg 300
ttaaaaaatat aattttttaa atactctata ttgttcatta taaattaaaa tttattacaa 360
aatatataat cttatagatt caacatttta tgcatacatt acataatttg ttaataacac 420
tttattatca ataaa 435

<210> 10867
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10867

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gtattccatg ccctcggtgc ttgctttaga ccatacaacg ccttgttcaa tttcaagact 120
tttccttctt gaccttcgat gacaaaaccc attggttggt caacatagac atcttcttta 180
agatagccat ttagaaatgc cgattntaca tcaagctgaa aaattctcca cttcatttga 240
gctgccaagg aaataagaag acgaatggtc tccatgcggg caaccggtgc aaacacttca 300
tcataatcaa ctccatantt gtgctttag cccttagcta caagtcttgc tgttgtctc 360

tcaacctctc attttgcatt c

381

<210> 10868
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10868

gctctcgaga anatcgagtg gtcataaatt ttcacacaga tgtccgattc ggggaaataa 60
tatatcgaga cgcacgaaat tgaacaacgg aagctctcca gaaatttgaa tggtcataac 120
atttcaactcg gatgttcgat ccgggggacat aatttatoga gacgctcgaa attgaacaac 180
cgaagctctc gacaaattag aatgggtcgta acttttcacg cgaatgttcg attcggggac 240
ataactcatc tagacgctcg aatatgaaca acgcgagctc tcgagagata tgaatgggtca 300
taaagtttca cacggat 317

<210> 10869
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10869

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gcctatgcaa gttgaaagcc ttggaggaaa gaggtatgcc tatgttggtg tggatgattt 120
ctccagattt acctgggtca actttatcag agaaaaatca gacacctttg aagtattcaa 180
ggagttgagt ctaagacttc aaagagaaaa agactgtgtc atcaagagaa tcaggagtga 240
ccatggcaga gagtttgaaa acagcagggt tactgaattc tgcacatctg aaggcatcac 300
tcatgagttc tctgcagcca ttacaccaca acagaatggc atagttgaga ggaaaaacag 360
gactttgcaa gaggatgcta nggtcatgct tcatgccaaa gaacttcctt ataattctctg 420
tgctgaagcc atgaacacag catgctacat tcacaacaga gtcacact 468

<210> 10870
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10870

cttgaaactc agcttttgctg cnacatttat atagaccctc tcagtggcca aaccaacttc 60
aatataataa ttatgagctt tcaagccaca gatataatcc aggttggaag aatcatccaa 120
atctgagatg ggcaagtctt ccacaacaac aacagcctgt ccttcctttc cagaatgctg 180
ctgggtcaag caggccatat gttcctcctc caatgcagca gcaacaacaa caacaaagac 240
aacaagcagc tgaggccctt tctcaacctt ctttatagga gttagtgagg caaatgatca 300
tccagaatat gcaatttttag taagagacaa gagcctccat tcagactctg acaaa 355

<210> 10871
<211> 262
<212> DNA
<213> Glycine max

<400> 10871
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aagtttgaaa tacctatttg accacaaaga actgaacatg aggcagaaaa ggtggatgga 120
gttcttgaag gattatgact tagaagtggg atatcacctt agcaaagcca atgtagtggc 180
agatgcttta agctgaaagt cattactcac atctgctatg atgattcaag aatgaaagtt 240
gactaaagag ttcagagatc tg 262

<210> 10872
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10872

aaagattttg gctggttatg ccataaacac attcctgatc agaaaagaaa gaagctggat 60
gataagagtg agtcaatggg tttcataaga tatagctcta gtggtgcata caagctgtat 120
aatcctacca ccaagaaagt agaattcagc agagatgtat tgtttgaaga atataatgct 180
tggaatccg ataattgttg ttcacgttaa gatcaaacag tggctgagat agatttagat 240
ctagatcaga ctgcacctga tntagataat ggagaagaac ttggagagga actcaattta 300
ccacttgcac cacctgtgga atctaattgca cc 332

<210> 10873
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10873

ggatgttgaa ttctggntgt tcttgggtgcg gagatgatgg tacagcgggt gaacccaaaag 60
 cggaagtttc ttttgggtgag gtagccatgg aaaagcagag cgtttggaat gatttcgtaa 120
 atctcagaag gctattggga aatgctggta taaacacgaa tgccaagcag atataaattt 180
 gaatgaggaa tgtagagggt cgtgtgaagc aacggtcgaa ttttccttgg ttcagtagtg 240
 aacgtgctat taatgttaag tgattcgttt gggcacgttc agattgctgt agntgctata 300
 attcctctag cacacaaatg cccagcttgc cctcagttt ttcaaactga tttgcatcca 360
 aagcctttgt gaaaatatct gctatttggt cctcagtgtc aacatgcttc agtgtgatca 420
 ctttat 426

<210> 10874
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10874

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 atagacctct tatctttaat ggagtgggtt accactactg gaaaacctgc atgcaaactc 120
 ttatagaggc aatagaatta aatatttggg aagccataaa acaaggacct tatgttcctt 180
 ctataatagc cggaagtgca acaatagaaa aacctatagc agactggact gaggaagaaa 240
 gaagattagt acaatataat ttaaaggcca aaaatattat tacatctgcc cttggaatag 300
 atgaatactn tatggtttca aattgtaaaa gtgctaagga tatgtgggat acactacaag 360
 taacacatga aggcacaaca gatgttaaaa gatctangat aaacacttta actcgtgaat 420
 atg 423

<210> 10875
 <211> 448

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10875

ggaggtttcca agtgccaatt cgtcttcttc ttatgtccag tcttcttctg acttcaattc 60
 atcaaggggc tttccttctg tgtccagcat cttgggatgt tcccagcctt tgatgacagc 120
 ttttcaggtt ctgctatcca gtgatttgag gaaggccacc atccttgctt tccagtattc 180
 atagttgggt ccattcagaa taggtgggtc gttcactggt cctccttctt tctccatggt 240
 catcagaatt tatctcccta gatctcactc agtgatttcg agtgccctgct ctgataccaa 300
 ttgaaattct gatactgggg acagatgtcg tacaggatgt cagcacatca cgcttcagaa 360
 catgcagtat atatntgaca gtgtgtacag tgtanacaag aagataacac aagagaattg 420
 taaccagtt cgtgcaacct acctacat 448

<210> 10876
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10876

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 agtccccctt attaagaact agctccttct ttcctctatt gccttttagtt gcatacacct 120
 ttgtttgggt ctttatttgg ttcccaaccc tctcatgaaa cttctttaca aactctgacc 180
 taaattctcc ttctttatgt ataaaagaag tgtcaagtag gagggtaatt aggtctaattg 240
 gtgttagagg attgaacca taaacaacct caaaagggga ttgcttggtg gttctatgga 300
 cccccctatt gtaggcaaat tctacatgag gaagatactc attccatgac ttatgggttc 360
 ttttcagaag agcccttatn aggggtgtata gagactattc actaccttta tttgcccac 420
 agtttgtgga tggaaa 436

<210> 10877
 <211> 255
 <212> DNA
 <213> Glycine max
 <400> 10877

tcttcatata ttgtgttttt gttgatacac aattttactt ggtttcatat gtgctctata 60
aattgagttt tatttgtttg cataacttgt aggcaacaat aacgcaacca gttgttaata 120
acatgatgaa tgtcttgtag tttcagatta ccgctggagc aataccattg taccttggtg 180
cctttacagg aaactgggct tatggatcct ccacagaact gtatttgctg aatagagtga 240
atggtcctag ttggg 255

<210> 10878
<211> 393
<212> DNA
<213> Glycine max

<400> 10878

tctgcgagca ttgttctcca gattccatat tctcatgacc tcattcttca gtcccagttg 60
ggcataaaga gagatgatat gagtgtcacc ctggccatct ttgttgcca gcctttcttc 120
agatttcctt agggcacaaa ccgcattcct tgtaagtcct gcttatatgt aaaaaatggc 180
cgcaatagaa taagtattcc agtccatgac aatgtgtggc tgagtctaca tctctttcaa 240
tactttttcc actccaccaa aatcagacct cacaccataa gaatttatac agatcctgta 300
gctgaagttg tctggcaaga cttggttctg tttcatctca cgaaacacat accgaacctt 360
ctgatgctgt ccaatatttg tatatagaca cat 393

<210> 10879
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10879

tattgtgagg aaatatggta gtgccataga cactattatt accatgaact gcatcaatcc 60
catagatgag aggtattccc agtcgcgact gaagagctga tttttgaaag ccatccacca 120
tatcagccca atcagacgac agtgcatttt caaatgggtgc actgccacca gaactgagta 180
tgctccctat agagtgcaca aataatcaaa cgccaccctt caaattcatt tcaaattcca 240
acaggttcaa agcttgaaca aatgtagac acaaatggac catgtaatac atcgatacaa 300
aaacatcacc aatgttccca ttntcaagac acactctcaa taggggtccc tcaaattcat 360

ttc

363

<210> 10880
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10880

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tttcttttgc atcatcatca aatttaattt gtacgtgttg atgattcact tttttttctt 120
atattacttt ntacctcagg cacttgcttt taattttaaa agataacaaa tattatataa 180
tattatatct acataatcta cacctatatt ataattntta tttttcacct atattataat 240
tggtattttt caacttattt gcgcgaatgc actcaactta aactagttat aactaaaaa 300
aaactaacta aaaatcatta ttattatant tttaaataat cttacacgat ggtcgaaaat 360
atcacttagg ataaattgga gtaactntat ggatcccata attggtaagg tagtaacaat 420
aataatacac cagagcatga gaatgagaag acagtcacat ctaaattaac cttc 474

<210> 10881
<211> 339
<212> DNA
<213> Glycine max

<400> 10881

tactcctcat gcttctcacc atgtctaata aagttttatt tcttcgctct accacaccat 60
tctaataccgg agaaccacgc atagtgtatt gggcaacaat cccatgttct tgaagaaatt 120
tcgcaaatga acctggtgct tgtccatctt ctgtgtatct accatagtac tccccacctc 180
tatctgatct cgcgagctta atttgttttc cacattgttt ctcaacttca gccttcaaaa 240
ctgtaaaggc atctaaagct tcattcttag aatgaagata gtggagatac atatatcgtg 300
aataatcatc tataaagggtt atgaagtatc ttcaactat 339

<210> 10882
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 10882

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taattgctat tggttttctct caatcaaaga atgactattc tctntntacc attgacaaag 120
gtgcttcctt gggtgttctg ttgggtctatg tagatgacat tttgcttgct ggcccaagtg 180
ctacatgtgt tcattctatt caggccaagc ttcaagcttt gttcatacta aagatccttg 240
gttccttaca atattttctg ggcctagaag ttgcanagtc tagaaagggc gttgtcttga 300
ctcagtgaan atatgccctt tctctgttag aggatactgg ttttctttgc tgcaaaccat 360
cctcccttcc aatggatcca aatctatagc tcaacatgct tagtgggtgat ttactgcccc 420
atccctcaat gtacaagcat ttacttggtc gcctcatgta cctaactatt tcaaggccgg 480
atattacat 489

<210> 10883

<211> 214

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10883

ctgcaagctt gggagacctt actacttgca gtggtatctt tgggtggatt ttctgcgtat 60
gcatggtagg tcngctctaa ctgcaatggg atatcgaaag gtgctaagga tatcaaactt 120
ggccatacta agtcacacga acagggatgt tagaaactac atggcacttg atcgtcttag 180
ggccagagac tactatcggt atgttcatga catg 214

<210> 10884

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10884

agcttgcaga ccanggatnt atctgcaact tcaaaactat gaggtgagt cataaatata 60
tatccctcaa gcaaccatt aagaaaagca ttgttgacat caaactgaaa taactcccac 120
ccttgagaaa gagcaagagt gagaataaca canattgtga caggctcgac cacaggaaaa 180
aatgtctcat gaaaatcaaa tccatgaacc taatgaaaca aacccttat caaccagtgt 240

ggctttgaac ttgttgatag aaccatcaac attttctttt actctgaaaa gccatttgca 300
 cccaatagct tgcctattag gaggtagggg aaccaagtcc cgagttctgt ttacagtaa 360
 agcatcatatc tcctcttgca tagctgtaga ccaatctgaa ttttccaggg cctctttgac 420
 agtcttgggt tcaaatg 437

<210> 10885
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10885

tgtcaaagtt agcatggatg gagcacctta cctccgcana gttgtcttga agatgtacaa 60
 gagttaccct gagctctctg atgccttgng caaaatgttt agctccttca ccattggtaa 120
 ctataattaa tccataatth accatacatt aactnttttt tatatagaat ttaatgactg 180
 atcataactt ttacgtatca gtatctagtt tgttttctct ttaatataac taccaaaaaga 240
 tatggatctt aaatntgatt ttgtagaaag ttaactaatg gtgtatgtga atataaaatt 300
 gaatcgtgca gctgattcga tggattaat tattggtgtg ttcttgatat atttaaggaa 360
 attgtgaatc ccaaggcttc aatggattca tgaatgagag caagttgatg gat 413

<210> 10886
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10886

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 attgntaca aatgttgttt gctttagcag ttttccatt atgattacat tatattttgg 120
 ctcttcttgt cctaaagtt gaaatatcac gacactggaa gagagaaaga atacttgcca 180
 caagttggtc agtgaatat gatgaacaag gtcagctaag aatgaacaaa taatatatta 240
 gatgtaatta tcttaatgaa agaaaataaa agggaaaatt acttgtttcc aacttactgt 300
 aattcctgta attntaatgc agaaagtat aatggaagt actgtaagat attgngcgtg 360
 tatcaacttc tctogaagtg tacaggagag tacagctcgt ggattt 406

<210> 10887
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10887

ngaaggcaaa ctggatgcat tggtaaactc gcgtacccag ctggccttga atcagaaatt 60
 tgtacctgtt gcaaggggta gtggtttgtg ctctctgtct gaccaccata cagaccattg 120
 cctttccatg cagcaacctg gagcaatcga gcagcctgaa gcttatgctg tgtagtgct 180
 tagctatact gagtttttaa agattggcta aaattttgtt ataacataag cacttataca 240
 atgaaggaaa gctggagttg ctgcacatga tgtccaacgt tattgtaagg aatcatattg 300
 tgctccacaa tgcacaatgc aagatataat gtctaataa gaataagct gcaggatcac 360
 catgttgata caatgccaga cattctgccg aaatactgac cataaattgt gtatcttaca 420
 gataat 426

<210> 10888
 <211> 363
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10888

tgtaatcgat tacacacata ttataatcga ttaccagaga agttnttcag aaaacattct 60
 caacagtcac atctttntct ctgattctta agtggccatc aaaggcttat atatatgtga 120
 ctagagacac gaatttaaca agagttttga agaacaaaaa ggtcttatcc tcttaacaag 180
 caaaattgtg ttatctctct acaaattcct tggccaaaac actcgtgatt caataaggga 240
 attattgagt gctcaaatng ttcaatctat ctctntcaaa agagatttct tcttctcttc 300
 ttctttattc tgaaaaggga ttaagagacc gacggtctct tgttgtgaaa ggattctaaa 360
 cac 363

<210> 10889
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 10889

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agcttcttag tttcagatga tgcagatggg tttgtttcta cctcatgcac tcctctaata 60
actatggcat catttctggc gctaaactgt tgggagttgg aggccatctt ctcaattaaa 120
tttctggcct cagcaggagt catgtctcca atggctccac cactggcaac atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctctgaaatc 240
tgatgatggn ggcaactggc acatagtttc ttaaactctt ccagtactca tacaagctct 300
ctccactgag ttgtctaata cctgagatat ccttcctgat ggctgtgggc ttggaagcaa 360
ggaaaaatct ctctaagaat actctcttaa tgtcatccca cctcgtgatg gaccttggag 420
caagggaata c 431
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<210> 10890
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10890

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ggctaattga agatcttcta cttgatattc acccttcgct agtagcatta ccaccttggg 60
gtcgcccttt gccaccagat ctttaactct tgtttcccta gtgagccaca tgctggcatg 120
taatgcctta tatntggctc ggggtgtgggt aaggctaaag ttgaacttta anggattttc 180
aatgatgact acatcgagac cttcaaacac aattcctgct ccattgcttg cactgttcat 240
cgtgttggtg acaaatagta tccatagaga taaggatacc actatgtaag ttccaccatg 300
aaatctatga gggctttccc ttgactgcc tcttttttcc aaggacaatg tcgtacttag 360
ataattctat tgaccatttc atcatccttt caact 395
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<210> 10891
<211> 284
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10891

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gatcttatgc agaatcttct gttatagaag aggttgatgt tgtcttanaa ctcattaaga 60
agacctgngt tatgcttggg attaatagaga tgctacacta atatttggtc tcatgggtct 120
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tatttcatca gtatcttgtc actggccaag tggagaatga tcttctgttt gcatccagta 180
atctattggc agaagttggg aaagatactg gaggtctaaa agatcctatt tacacacaaa 240
tcttgaggaa cacattgagt ttgatactaa gttgggcaga gaaa 284

<210> 10892
<211> 482
<212> DNA
<213> Glycine max

<400> 10892

tatgcgcaag aaccagtccg tctagtggaa tgacgactgt caagtgggtt tccccccgtt 60
cttatgtcgt tgggtgccag gagaccctt attctataca tgactgtgtt ggatgggtcg 120
atggggtgta tgctggggaa gcatgtcttg tccggaaaga gggaaacgggt tgtctactac 180
ttgagcaaga agttcaacac ctgtgagatg aactactctt tgcttgaaaa gacatgttgt 240
gccttgggtgt gggcgggcaca tcgtcttatg cagtacatgc tgagccacac cacttggttg 300
gtatccaaga tggaccctgt caagtacatt tttgaaaagc ccgttcttac cggacgggtc 360
gtccagtggc aggtttctgct atcaaagttc gacatttctt atgtcactca taaggcgata 420
acggtaagca ccttttccga ctatctagct cagtagcccc ttaatgacta ccaactcatg 480
ca 482

<210> 10893
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10893

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tacttttata actatatttg aaatattcat atttatgact tataatttaa gtattttttt 120
aataatgaaa acaactacgg ttataacgat taatcatcaa aatgaatact tttgaatgca 180
atacaataat acattgggtat gtcaatacaa taatacaaca aactattgta catgcatgat 240
tcactttcaa tgggtgtagt ttcctttgct aatccctcac aatcagagtt tgaagggat 300
tagaaaggga aggtttcatc cctaacacta ctactaaaat aggattttac aatgttgaac 360

caacaacaat ttagcaaat attttgaaaa naaatagtc caactttata aataatcgca 420
aatattttaa gaatggtttt tc 442

<210> 10894
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10894

atctctgagt cacctgcggc atgcaagctt attaagttat taaattaaat cactcatgaa 60
ttttntctt tttaatcttc attntattta tgttttctca tgtaataca atacttttct 120
ctatctaaaa taaaaaata tcgtattacc attgaaatca ttaattctat tagtcaaata 180
ttgtcacaat ttgatctctt ttgtgtgcat ttagtcatta tattatatac ttataaattt 240
ttagggaaaa acaaattatt nattctanaa aatatacttt tacgaaaaga aatatttgta 300
aatattttaga cctgattaat ccaacccaac ccatttatga ttgggttggg ttgggtatga 360
aaaaaattat acaaaccga ctagggatgg caacggngca ngcggngat gagtttgacc 420
ttccccgtcg agttttatag ggtttgggta tacctgcgag taaccacta cacta 475

<210> 10895
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10895

tctcacagtc acctgcggca tgcaagcttc tctcttgat tctcatcctt cttcaatcaa 60
tctctaagcc attgttcctg ctactnctca tccctctgat tcagactggc ccattgccat 120
ccgcaaaggt actagatcct ctogtaatcc tcatcctatc tataactctc taagctatca 180
tcgcttgctt cttcatatt cttcttttgg gttctctcta tcttcgcatt ctggcccttc 240
taatattcat gaggcactga ttcacatctgg atggcgacag gctatgattg atgaaatgca 300
cgctcttgaa catagaggta ctagggaact tgtatccctt cctcctggca agaaagctga 360
gggttgaga tgggcttata cagttaaagt tgggccta ggtgag 406

<210> 10896

<211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10896

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 ctttngnggtt tgtctccttg aggaatctgc cagcacttgt ttattgtatt gtatatgaaa 120
 tangactgga tgattactta attgctactt gtagtcatat taagatatgt gacctcgtct 180
 tgattttctt tatttgtaag aaaaattgct tgtaaatatt taattaatag ttggggttgca 240
 attaaatfff atctgagcta tacttggtta aataaatcat attaattagt tcgtgtatag 300
 attaaaataa aattagcaag ctattagaaa tgttgctata tgtgtgagaa aatgaataac 360
 tggagttaaa ttatatagct agaggagtgt aagattaaat taattaatta ggtgaagggtt 420
 agattatggt aattaagtta gt 442

<210> 10897
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 10897

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 tcattatgga gaatagagat cataatgaag aagaaaggag gagaagaggg aatgatggtg 120
 ttcttagaca aaaccgaatt gatggtatta aactcaacat tcctccattt aaaggaaaga 180
 atgatccgga ggcctacttg gagtgggaga tgaaaataga gcatgttttc tcatgcaaca 240
 actatgatga ggaccagaag gtgaagcttg ccgccacaga gttttccgac tatgctcttg 300
 tgtgggtgga caagctacaa aaggagagag caagatatga agagccaatg gttgatacat 360
 ggacggagat gaaaaagatc atgatgaagc ggtatgt 397

<210> 10898
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10898

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 cctcggatcc ctgtcagata caatactgga gggaattcca tgcaacctta ctacttcctt 120
 gatgtacaac tccactagct ntccattct atacttcata ttcaccggaa taaaatgagc 180
 agatttggtg agtcgatcta ctatgaccca cacagcatca tgttcacgac tagtctgggg 240
 taaactagat acaaaatcca tagatatgct ctccatttc cattccggaa tttccaatgg 300
 cttcaattct cctgatggtc gctgggtgctc aaccttagcc ttttgacatg tcanacatct 360
 tgctacatat tcagctacat ctttcttcat accatgccac caaaaacttc tcttcatatc 420
 ttggtacatc 430

<210> 10899
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10899

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 aggtgtgaac tttagctntt attcttgtgt ttttttgggg ataaaatatt gtgagggtcg 120
 aaatacagaa ctggaggatc tggaattnta attttttctc ttcgtattac tgattatata 180
 agtcctcatc tggttntgtc caggagaaac ttccgggaacc acagctacat tcctaatagt 240
 ggataggtgg actgtgactg ttgcatctgt tggagattcc cggtgtatac tatataccca 300
 ggggtggtgct gttacctcct taactgttga tcaccgactt gaggagaata ttgaagagta 360
 tgtttttata tctaaggccg tagttggtaa cttctttgta tgctcttggg tacgaagtac 420
 actgtatgca cangaggga cgtgtcactt ctagtga 458

<210> 10900
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10900

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 tggcatcata tctggcgcta aactgctgtg gagtggaggc catcttctca gataaatatc 120

tggcttcagc aagaatcatg tctacaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat gttggagaag acgctgttct gaaatctgat 240
 ggtgagggca actggcacat atgttcttaa atcgctccca gtactcatac aggctctctc 300
 cacttgagtg tctaatacct gagatatctt tcttgatggc tgtggtcctt gaagcacgga 360
 aaaaaatttc tagaatactc tctt 384

<210> 10901
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10901

tcattcttag aatgatgtaa gtagagatac atatatcgtg aataatcttc tattaagggt 60
 atgaagtatt tcggactata tgcattccatg tctggacaac atatgtctgt atgtatgatt 120
 tctaataaat tagaactcct ctttgcaccc tttttagact tgtagtttg cttaccctta 180
 atgcaatcta cacaagtctc aaaatcagcg aaatccanag tactaagtac tccttcattt 240
 actaatcgct tgattcttca atagagatat gtctaatct ccggtgccac aacatagagg 300
 attcttcatt cacaatacat cgttttaacc caacagaaac gtgcatagaa gtagcgcat 360
 tttgcaattc aatcgaataa agacca 386

<210> 10902
 <211> 458
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 10902

agcttgtaat cgattactca catattatta tcgattacca gagaangttn tcagaaaaca 60
 ttctcaacag tcacatcttt ttctctgatt cttaagtggc catcaaaggc ttatatatat 120
 gtgactagag acacgaattt aacaagagtt ttgaagaaca aaaagggtctt atcctcttaa 180
 caagcaaaat tgttttatcc tcttaciaat tccttggcca aaacacttgt gattcaataa 240
 ggaattatctt gaggctcaa attgttcaat ctatctcttt canaagagat ttcttcttct 300
 cttcttcttt attctgaana gggattaaga gaccgagggt ctcttggtgt gaaaggattc 360

taaacacaaa ggaaggattg tccttgtgtg tntagaactt gtacaaggaa tataacaagat 420
 agtggaactc tcaagcgggt tgcttgtgga ctggacgt 458

<210> 10903
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10903

agcttctcaa tccgctctgg atgagcataa cctttgtcgt ccctctgaaa gatagcaatg 60
 ggcaaaaaga aatcacattn ttaattaatc tcaggaataa agaaaacaaa aaaaatattt 120
 gatgggtcaaa caaggaaatt atcaacatgc cttaagatac agtgtaaggc gagttcctct 180
 tggaatcagc ttctcgggat ctgtctcctc agatattgta tatgagctag catttgcttc 240
 cccttcccaa acatattgct tatcggattt tggactcttt gttgagacaa ccaccttcaa 300
 acaacaaaaa attatataaa taccagatta aacaaaaata tttaagagca tcacatattt 360
 acttntacaa anatgcatac ccgatcagaa accagaaaag cagaatataa tcccacacca 420
 aattgaccaa ttaa 434

<210> 10904
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 10904

gctattcttg tctatttgcg tttgttttta aactttccca gtgtttgtaa gagaattggg 60
 ttcatttctt gttttaaaat taggagaaaa cattattact ttttttctaa tttattcttc 120
 agtctcaatt tagttatctt atttttaaaa tatttgtttt ggtcatttag aatgagttca 180
 atttcatcct ttacaatgat taatgtttta gatttttttt acaaaatata aaaaataaat 240
 acttcaaaaa aaattaatat ttattagaga cagtcttact aaaatattct tattctctct 300
 cctaatttca ataaaaatta ttaaactctt taaaatatca ttatttatta catgataaaa 360
 ttaaaataaa tgtttgaata tcta 384

<210> 10905
 <211> 463

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10905

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agcttgcata caactcggtta gctcctatac atggactatg agtcaanttt ttaaaattct 60
atacatttca aatctttaat tctctagtag attgtagata acaagattat tttaaaaata 120
aaaagacaat tgaacttatt ctattaactt tgttgggcca caagatatga caaaaaatat 180
aattataaac aaagctggca taaataaaaa ctacccacc ttgtatatat aatatactaa 240
aaaaccaa ataaagaaagcc gagctataca taactcaagt ctgactaatt tatttaacga 300
gctcaattnt tagctcaagt ttagctcatt tgattaatga actaaattca acgaattaat 360
tatcaaatca agtgttgact atctgtgagt tgtgttgact cattaccact atgaaatgtg 420
actatagagt tcaagaccag atctacccat ttgcatgtaa tcc 463
```

<210> 10906
 <211> 473
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10906

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agcttgtagt tcctttctct cctcttctcc acctccatat tcacataagg aataggccac 60
catatctatt tcagacctct agtgcaaagc aagaatattt tctgagcccc ttttagcttc 120
atgatattca ttgttggtga tgaacttccc cagcaactga gtgtctaaca tgctgtgtcg 180
agcaccatat tctcttatcc ttgggatcaa taacgagccc atttgtttga attttggcac 240
gaactctaaa gcatggaaaa tacatttgca tcttaacctc tgccaatgca attatctcaa 300
acatatataa atgccttgaa ccttttataa catttaagtt aactactatt atatgaataa 360
atgaagagtg aagatctgat gcanacaaca ccaagtgttc tgatctgatt accgcatagt 420
gaaaatgaac aatatctgtc cacatggtag tgtttggtgg aaaatgattt gtg 473
```

<210> 10907
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 10907

aacagcagaa taattatgat atttcaagca acagatataa tcccaggtgg aagaatcatc 60
 caactctgag atgggcaagt cctccacaac aacaacaatc tgtccctcct ttccagaata 120
 ttgctgatcc aagcacgcca tatgttcctc cttcaatgca gcaacaacaa cagcaatctc 180
 aacaaagaca acaagcaatt gaggctcctc ctcaaccttc cgtagaagag atagtgaggc 240
 atatgaccat ccaagatatg ctatctcagc aagagacaag agactccatt cacagtctga 300
 caaatcagat ggtgcagatg gctactcagt tgaatcaagc tcattcccaa aattctgaca 360
 aatagccttc acaaact 377

<210> 10908
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10908

tgatcctctc agtcacctgc ggcattgcaag cttctanact ntgtacaaga atgaagctct 60
 gatactcact tgtagacaa gtggcctcag atatcttaag aaggggggggt tgaattaaga 120
 tatcccaaac tgtttccctt aattaaaaat ctatttcact ttttactcaa gttatgaatt 180
 cccttaatga caatcttctt aaatattaat tcaaatgaag caacttgaat atgaatataa 240
 agcaataata aataaaggag attaagggaa gagaaaatgc aaactcagtt ttatactgggt 300
 tcggccacac ccttgtgcct acgtccagtc cccaagcaac ccgcttgaga gttccactat 360
 cttgtaaatt cctttttacaa gttctaaaca cacaaggaca atccttcctt tgtgtttaga 420
 gatcctttac aacaagagac tcacagtctc ttaatccctt agagaatg 468

<210> 10909
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10909

atcttcttca taacgggagt ccttgcttct tgatgttcaa tggaagcgga atgtataagg 60
 aagaaagatg atnggagatg ccacttcaag gagaagatga gtcaagaaca agctcaccac 120
 cataagaagc catggataag agcttgaagg taggagaaga tgagtggagg gagaaggaga 180

gaacgagcac gaaacttagt tcctcaaagt aggtatgaac tctgaagtgt aattctcaaa 240
 tgatcaaagt tcaaaaaata cacacatatg gcctctatatt atagcctaag tgtcacacaa 300
 aattgtaggg aaatttgaat ttctattcaa atntcacttg aatntgaaat tgaatctgtg 360
 gagccaaaat ttcactaatt atgaatagtg aatnttagtt atgggtcagc ccactaatcc 420
 aagatcaagt ccaa 434

<210> 10910
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 10910

caagccttca gcgtcccgac atcgatccatg ttcttgtatt cttcctgcaa ttttcaataa 60
 gaatggatca gtaaccggat ggttcttcat caagaattaa ttttaaaaag tcccattagt 120
 tctggaatat atatttactt attcaatact gggcgtaag agatgaacat accaggcaga 180
 ttgcacaagc ctcttcttct tgactttgct cagatgaaca gtatattgtt tctgtcaaat 240
 acttggaat caaatcctca gacaatcctg tgctcacatg gcctattctc tctccaagt 300
 caagtagttc ctggtcgagc aaagca 326

<210> 10911
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10911

agcttaagct ccttcaactg tacaaggctc ttaatatattg aagagtatcc ttggggaacc 60
 ttcacccgac aaagacactg acaaaaaactt atcttctcct tnttggacaa agtatgacaa 120
 gctgggggca aataaatttt cttcccatct gaccttggat gcaactgtga tcatatcccc 180
 atctcagcta gatcatgacg ggtattcaag ccatacttcg tcttgccctg aatgttaagg 240
 agcgtcccaa tgacactgtc acatacattt ttctcccat gcataacatc aatacaatgt 300
 ctaacgtcta gattagacca gtacggaaga tcaagaaaaa tggacttctt cttccatatg 360
 caagtcttac tttatcctt cttttggggc tttccaaata cagtattcag gtgttgaacc 420

cgctgggtata cctgctcatc agtcaac

447

<210> 10912
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10912

atatggacga nagtgcacaa ctcctatntg ttggtacgat gatggagaat ctttacttct 60
tggacctgaa atgctacaac agattaatga acaagtgaag ttgattcgag agaagataac 120
agcatcccac gataggaaaa agagctatta tgatagaagg aggaagccac tacattttca 180
ggaaggagag catgtgtttt tgaaggtttc tcccgtaacc cgggtcggaa gagctctcaa 240
atctaggaag gtgacgcca agtatctagg cccgtatcag attttgaaga agattgggcc 300
tgtagcttat catatgcct tacctccgag tttatcgaat atgcatcctg tgtttcatgt 360
ctctcaactg agacgggtaca acccatatcc atcacatata cttgcagtgg atgaggtaca 420
ggtgaaagat aacctcacct acagagcaca acc 453

<210> 10913
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10913

agcttctaga caatgggtttt gtanactctc aacaacttta tttgctaattg ggttctctca 60
atcaaagaat gactattctc tctttaccat tgacaaaggt gcttccctcg gtgttctggt 120
ggtctatgta gatgacattt tgcttgctgg ccccgatgct acatgtgttc attctattca 180
agccaagctt caagctttgt tcatactaaa gatcctttgg tccttacaat attgtctggg 240
cctagaaatt gaaagtctat atagggcggt gtcttgactc agtgaaaata tgccctttct 300
ctgttagagg atactg 316

<210> 10914
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10914

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agcttaataa gtccatctat ggatngaaac aagcctttcg tcagtgggtat ttaaaatttc   60
atgagggtcat ttcttcattt agctttgaag agaatgtcat ggatcactgt atataccaga  120
aggtcagtgg gagtaagata tgtttccttg tattatacgt agataatatt ctgcttgcca  180
ctaataataa gggatatgcta tatgagggtga aacaatttct ctaaaagaac tttgatatga  240
aggatatggg agaggcatct tatgtcatag gcataatgat ccataaaaaa agatctcgag  300
gcattttagg cttgtctcaa gacacctata tcaacaaatc tttagagaga tttaatatga  360
aagaatgttc accaagtgtg gctcccatcg tgaaggggtga cataacttgct ctgagtcatg  420
ccccaaaatg atntgagcgg aacacatgan aatattatat gcttacagt                469
```

<210> 10915
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10915

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agcttcatgc ttaactatgt atggaaaaac ttcattactg ttgttcaaga catacaagtg   60
agcttgtaac aaatcttcta cacttggagt gatcgcatgc agtcctcttg aacccttacc  120
accactctg tcatcatgcc gagactcagg aagcccaaca ggtttagcct tctctaagta  180
ttctgaacaa aattcaatgg cttcttctgc aatgtacctc tcaacaataa atgcttctgg  240
acgatataga ttctttgtat acccttttaa gatcttcatg tatcgctcaa ccgggtacat  300
ccaccgtaga taaacaggac cacaacatnt gatttctctg accagatgca caatcaagtg  360
aatcatgatg tcaaagaaag canggggaaa atacatctgc aactggcaca gtataattgc  420
ggcctcattt tccaactcat caaacatg                448
```

<210> 10916
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10916

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agcttgtgca ttcaatatcc tgattagggg gttccatag ttctcaagac tggactaata   60
```

catttgctac ccaatgaagc cccctaattgt ctaagaagat cataatcttaa ggagttccat 120
attgtttggt ccaccatgaa gccccctaatt gtctaagaag atcatatctt tctaaaggct 180
tttcttcatt ctctggaggg agtggcaaaa gattggctat actaccttgc tcccagggtcc 240
attttcagct gggatgacct taagaggggtg ttcttggaga aattcttccc tgcattctag 300
accactgcca tcagaaaaga catttcaggc attaggcaac ttagtggaga gagcttgtat 360
gaatattgng aaagattcaa gaaattgtgt gcaagctgtc ctcaccacca gatttctaag 420
caacttcttc ttcaatattt ctatg 445

<210> 10917
<211> 466
<212> DNA
<213> Glycine max

<400> 10917
acctgcggca tgcaagcttc ggtagagaac ttcattgttg atggaagagg atggaaatct 60
gttgataaga taaacacttg aagtgaaggc atgggtccaa taatgagaag gcatgttagc 120
ttgagagagt aaggtaagac caagctccac tatatttgaa tatttgaact gtttaaaaat 180
ctccaatgtt tctgatttac tttttagtat acctagcaga ttggcttatt tcattcattg 240
tgtggaatga aaacagggga ttcaagcttg aatgctatta gagtaggtat tgtcagatcg 300
gagagagtga gagaatgaga ggagagagaa acagaggggt ggagagagtg agaggtagag 360
gtaaggattt cgagagagac aaagtgaaac tgagagagag gcaccaatac acacaaacca 420
gactcagga taggactcag ctacactaca accaaacaaa ctggag 466

<210> 10918
<211> 357
<212> DNA
<213> Glycine max

<400> 10918
tgcacagcat gctgatactg atcatgcata tttgtttgat gatgaccgag gaacaatttg 60
ggatcaactt gaaacttatg tgcttcaaga gagaagaaaa gctgcttatt cactcgtga 120
agatgatcaa aggctggcta tgaagatggt tcaaactgag aaacatttgg tattaccatt 180
ggtttataaa cttattgagc taactttgat attgccgggtg tcgacagcat ccgttgaaag 240

agctttttca gcaatgaaaa ttatcaagtc taaattgcgc aataagatca acgatgtgtg 300
gttcaatgac ttgatgggat gttacaccga gcgggagata ttcaagacac ttgatga 357

<210> 10919
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10919

agctntctag aaatgttttc aaagtnttca aagctgtatt cgattaccaa aactacgtaa 60
tcgattacca atgcttttaa atggttaaaa atgattttgt aagtgtgtaa tcgattacac 120
atcatatgta atcgattacc agagcttttg aacgttggac atttgaattt tgaataaaaa 180
taactgtgta atcgattatg ccaatgttgt aatcgattac caaagaggat tttcgagaaa 240
atctgcgaac agtcacaact tttcattgga tttatgaatg gccatcaaag gcatttaa 300
aggggtgact tgggcac 317

<210> 10920
<211> 415
<212> DNA
<213> Glycine max

<400> 10920

agcttcacaa gcaatgtatc tattgcaaca tgtatgaata tttattatac attaagtaga 60
ttataaatat aaaaaattca tatgaggaat aagagttaaa attgaacctc tccaaatttt 120
gaatctgatg aagtaccctt ttttgaatcc ctgtgccaa g tcaacattta aacttgaatg 180
atataaaaaa gaaaaagtaa aagtcagcca cattcagagt tgctttttatc atactttgca 240
tcaacgcctt ttatcaaggt ggagaatact cggcatttcc catctgtgga tggtttagca 300
agaagaatct gcagttttaa gaaaaacaaa ataaaaacaa agaagatgag catagggggg 360
tttacatcaa ataacaaata tattttcaaaa cacaattatc taagatttga ttctg 415

<210> 10921
<211> 346
<212> DNA
<213> Glycine max

<400> 10921

tgccaccatg gagttatcca actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tggttgatac atgggcagag atgaaaagga tcatgaggaa 120
gcagtatgtg ccagctagtt actcaaggga tttgaaattt atgctccaaa aactaaccce 180
aggcaacaag ggggttaagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
gattgaagaa gatgaggagg taactatgga tcgatttctt aatggtttga ctaatgatac 300
ccgtgatatt gttaagctgc aagagtttgt tgaaatggat gatttg 346

<210> 10922

<211> 309

<212> DNA

<213> Glycine max

<400> 10922

agcttaccac cataggagac catggataag agtttgaagg tagaagaaga tgagtggagg 60
aagaggggaga gaaggggggc acgaaattta tgcctcagat gatgtatgaa ctttgaagtg 120
taatttctca aatgatcgaa tttgaaaaat tgcacacaca agacctctat ttatagccta 180
agtgtcacac aaaattggag gaaaatatga atttcacttg aatttgaatt tgaatttgtg 240
gagccaaatt tggaaccaa atttcactaa ttatgattag tgaatttcag ctatgggtta 300
gccactaa 309

<210> 10923

<211> 389

<212> DNA

<213> Glycine max

<400> 10923

agcttgcatt tgtggaagat taaaccccgga aagggtatat tagagcacct cactgtgcta 60
ttaacatcaa accaagtaaa tattataccc ttgcaaagga tagtttagta caccctcggt 120
gaaatagatc caactacaat accacaacat taaacaataa taaagaattt aacttggaat 180
aagaaaacac tcatgaaatg attagatcat tatagcccag taaagggcc caagatcaac 240
ggtttcaaaa aaactgtaca cgatctcatc cacaaaatat ttttactcac aaaattttta 300
aaagaaaata taaacaaaac aaactaaaaa tagagagtta gggggtatat tgaattagga 360

ttttaaaaaa ctattttaac ataaaaaaa

389

<210> 10924
<211> 191
<212> DNA
<213> Glycine max

<400> 10924

tgtggccctt ttgatttttc taccaccgc tttgcttga ctgtcctatc ccaaaccata 60
ttgaacatca tagcaactca ataatcaagt gtgctgacag cctaaccctt cgatcacaaa 120
gaccctttgc agtgtaaacc ttgctgtgcc tatcttttct acctgtggac cgaacaatgt 180
gccctacttg g 191

<210> 10925
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10925

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actttctccc tttgttggtt tgattagcat agctcttatt ctctctctca atttgatctt 120
tgactctctc atgaagcttc ttcacatagt ccgcctttgc ttgaccttct ttatgcttaa 180
aaacagaaac attaggcata ggcaaaagat caagaggagt tagtgggtta aaaccataaa 240
caacttcaaa aggagaacaa ttagtggtgc tatgaacagc tctattgtaa gcaaattcaa 300
catggggtaa acaagcttcc caagttnta agttcttctt caaaactgtc ctaagcaaag 360
ttcccaaagt cctattaaca acttcccggt gcccatcggt ttgtgggtga ccaagtgggtg 420
aaaataac 428

<210> 10926
<211> 373
<212> DNA
<213> Glycine max

<400> 10926

tgcctaatta aagcgcaatg gaagacccat tttgtctcat acccacacac aatcgcgggc 60
cacggattca caacggcaca tcccgatgta atggcagcga acccgccaag caagccgtta 120

cacacgtcaa tcacgttcca gtggccatcc aataaccgct tgctgaacaa cgtcgtcaga 180
gccgcagtgc tcccagccaa tgtcgtcgtg acagctgtcc tccctatagc gctccattga 240
ccataatacc ctccacttcc atacccttg gctattgtca gaaacgaacc atgggtgaag 300
ccgtaccagc cgaaccataa caaaaacgaa ccaagcacia ctaaagacgc gctgtggcca 360
cgtaaagcaa ccg 373

<210> 10927
<211> 353
<212> DNA
<213> Glycine max

<400> 10927

tacatcaaca tcgattgac gatcatggaa atgatccaaa gctaagttgc tgtgaacata 60
gtgtatatgg aaaccacaat agagttagct tccattgtgc aactctcaca actcagggta 120
tcctatatta tgtacactct gatgtttggg ggccacccca ggtactctca ttaggaggag 180
caaaatattt cataactttc attgatgatt ggtctaagaa agtctggact tatctgtcga 240
aacataaaaa tcacgctttt aagtgtttca aacaacggaa attgcttggt gagaatcaaa 300
ctggtaggca tgtgaaactg ctcagaactg ataatggcct cgaataactta agt 353

<210> 10928
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10928

agctgcttct ttaggtgcat agaatgcggt taaaaaata gtaagtgtca tgaatctctg 60
acataagctt caaccaatta acattgtttg aatgacaact gttgtagttg gacagcaatg 120
acatagtttg tctccatgg tatgctttat gttcctattg gttatagttt tggtagtctt 180
tatgttccta ttggttatag ntttggtatg ctttatgttc ctattgggta tagctttggg 240
gctagaatgt tcaatttgga gtccacaaga ggaggatctc catattgtgc tggagttttt 300
gttggagatg gtacaagaca agcaagtga atggagctgg agcttgaga gtatcatggc 360
aagtatatat gaaattaacc cataaaagct a 391

<210> 10929
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 10929

tggatcccaa cactctgttc aggctctcct aaaatctaga ggcaaactta ggatctctat 60
 cagacactat gctagatggc acaccatgta atctgacaat ctcactaata tatagggagg 120
 tcaacttctc caaggaaaat ctgatattaa tgggaataaa gtgagtagac ttggtcagtc 180
 tgtcaagaat aaccagatag aatctaaacc tctaggagtt ctaggtagtc ctacaacaaa 240
 atccatggaa atactgtcca cttccagtgg ggtatctcca agggttgtaa cttccctgaa 300
 ggctctctgat gttctatctt agccttctga tagactaaac atgcatacat aaactcatt 359

<210> 10930
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10930

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 cgagtccaac caaccaatcc caaacaaggc cgtattccat cgaatttttt ggtcatttaa 120
 ggcatccata gatgtgtttg cattttgtaa acccattgtg caaatcgatg gatcaaggct 180
 atatggaaga tacaaggga cactgttagt tgcagttgca caagatggcg ctaacaacat 240
 atttccattg gcattttcca ttgtcgaggg tgagacaaca tatgggtggc actttttttg 300
 caaaacttga gaacacatgt gacaccacaa catggtatat gcttaatctc tgacaggcat 360
 gagtcaatca aaagtgcata cagatgacct gacaaggggt ggacagtaga caactcgtca 420
 catgtgtttt gtattcgaca cat 443

<210> 10931
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 10931

tagatgcaag ttataatatt gaaatctaca atagaaataa ggtaaaca gatgttcctt 60

cgatatatta tgtgcctgaa tcggacctcc gagttaaag ttatgtccat ttgaa 355

<210> 10934
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10934

ntctctgttc tgcaactatg tcctcctttt ttttttaggtg tagaatgaag cttgacaggt 60
tcaggtgcag gtgctgctac tgggtggaggc acatgaattt ggttttcaga cctcaaggtg 120
atggcactca ctttttttgg attctgcaca gtttgtgaag gcaacttgta aaattttggg 180
actgagcttg attcatctga gtatccaact accccatttg atttgtcaga ctctgaatgg 240
aagctcttgt ctcttcttga aattgcata tctggatggc ctttgcctt actaattctt 300
ctatggaagg ttgaggagga gcctcagttg cttgttgtct ttgttgtgac tgttgctgct 360
g 361

<210> 10935
<211> 197
<212> DNA
<213> Glycine max

<400> 10935

tgacagaata ctgggactgt tgttgatttt attgggcagc caaatgcccc atctgattgg 60
gtaagctctg aatggaggct ctggtctctt gctgaaactg catgttccgc atagtcattt 120
gcctcacaag ttcttcaagg gaaggttggt gaggggcctc aactgttggc tgtttctggg 180
gttgttgctg ttgttgg 197

<210> 10936
<211> 363
<212> DNA
<213> Glycine max

<400> 10936

tattacgtgt tgatgattat aagacatata tatgtatatg aattgttaaa ataaattagg 60
aattaatagt tcaaataata aaattaaatt gaagaaaatt aatatattaa gattcaacaa 120
taaatacttt caatgcattt ttagtttaat tatttattaa atcttttttaa ttgaaaataa 180

tatagttcaa tttaatatat acatgttttg tgccatgtaa atattaatac tgtgtgatgt 240
 ttatatgatt catgaagtct gataacatgt tactttggga ttataacatt gtgattgaga 300
 ttgagagtat gtgataaatt aagtatgtgt tgaattataa gatacatgtg tattgagatt 360
 ttg 363

<210> 10937
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10937

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 ctagttttga accctcacc tacaagcatg aaaggactcc ctttgccgct aagctactgc 120
 aatttaatta tttattagtt gcagttcatg tgtatttata acttctgaag gataaatcat 180
 ttatacacia acggtttaaa attgtgtgtc tctaagttat gctgaacatg caatattatg 240
 ttaaatattg gtatgcattg gatttgatcc tttaaagttt attacatgtt gaatggatat 300
 acgtacaatg ttattttgaa ttggtataca tgtaatttct atgattcaat attgagcaca 360
 tttgcattat taagtatgtt tatgccaaat attattttga atgttaagtg attaataata 420
 tnttattaaa ttagagaata gccacagcat ctt 453

<210> 10938
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10938

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 atcgtttagta aacagtacat ctgctattga tctagcaagg aatcctgtct ctcatgaccg 120
 aagcaagcac attgagacta aatttcattt cttgagagat caagtggcta aaggaaaagt 180
 ttagctaccg cattgcagaa ctgaggttca actagctgac ataatagacta aggccttgaa 240
 ggctaacata ttcacggagc tgagaatgag aatatgaatt cagagtttgg aggattaaga 300
 tagtctgttc aataaatgtt gttgtaatgt tcttggtgtt gattcactgt ttttgaatca 360

aagtggggtg ttacggataa tactaaacac ttactaattt gatagtaatt gatggtgatt 420
agttactttg agatagacta tatatatata 450

<210> 10939
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10939

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aaaacctgat tggagaacct tgacaacagt tctttctcca ttataatggc ctccataagg 120
tgaactatgg aaacgccaca atatgcttct tgctctctcc taagttacac accttcacaa 180
gaggggtgtcc gctctaattg taaacagata aggaccatcc cacacaaaat gtntagcatc 240
cctgaaaaaac ttattctttt ggtgccaggt tagatcatca tggagtgcac caac 294

<210> 10940
<211> 432
<212> DNA
<213> Glycine max

<400> 10940

agcttcttag tctcacctga tgaattcgtg gctactttat gcactcctct aatgacaata 60
gcatcaattc tggcactaaa ttgctgggag ttggaagcca tcttctcaat taaatttctg 120
gcttcagcag gagtaatgtc tctaagggtc ccaccactgg cagcatctat catacttctc 180
tccatgttac tgagtccttc ataaaaatat tggagaagaa gctgctctga aatctggtgg 240
tcatctctcc cagtattcat ataggctctc tccactgagt tgtctaatac ctgaaatata 300
ttttctgatg gtcgtgggtc tggaagcagg gaaatttttt tctaagaata ctctcttgag 360
gtcatcccag ctctgatag accttggagc aaggtaatat agcaagtcct ttgctactcc 420
ctataaagaa tg 432

<210> 10941
<211> 364
<212> DNA
<213> Glycine max

<400> 10941

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agtaaaaagt tattgtcgtt tgaattggct cagagcttca acattcaatt ttgagcgtct 120
cgatatatga cgggactcaa ttagacatct gagtaaaaag ttattgtcgt ttgaattagc 180
tcagagcttc aacattcaat ttcgagcgtc tcgatatatc acgagactat atcagacatc 240
cgagtaaaaa gttattgtcg tttgaattcg ctcagagggt caacattcaa tttcgagcgt 300
ctcgatatat tacgggcctc aatcagacat ccgagtaaaa agatattgtc gtttgaattg 360
gctc 364

<210> 10942

<211> 439

<212> DNA

<213> Glycine max

<400> 10942

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atataatcgag acgctcgaaa tttaatgttg aagctottag ccaattcaaa cgacaataac 120
tttttactcg aatgtctgat tgagtcctgt aatataacga gacgctcgaa attgaatgtt 180
gaagctctga gcccaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
tcatatatcg agacgctcga aattgaatgt tgaatctctg agccaattca aacgacaata 300
actttttact cggatgtctg attgagtcct gtaatatatc gagacgctca gaattgaatg 360
ttgaagctct gagccaattc aaacgacaat aactttttac tcggatgtct gattgagtcc 420
cgtcatatat cgagacgct 439

<210> 10943

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10943

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accttccacg ccttctttta ggcattgtgt ttcttctaag gtggagggcc ttgatcttta 120
ttagaccaa tttgaggcca ccatagttca tttccagtcg gtcaccatgg aggaggaaca 180

cccttctcta ttgagaacct cctctgacga ggatcacagc gctgcataag tgctgacaag 240
agagaacca aagctgtgaa ctgtaactct tgcaatgtgt gtagtgtacg accaatggaa 300
gtgcttccat cattctttcc acgaatagca ttatcggctt gatacttggc tatggcatca 360
tgaccatttc tatcaaacct gaacttatcc ttacacca 398

<210> 10944
<211> 355
<212> DNA
<213> Glycine max

<400> 10944

ttgagaaaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtaatat 60
atcgagacgc tcgaaattga ataccgaagc gctgagcaag ttcaaacaac aataactttt 120
tactcggatg tctgattgag tcccgtata tatcgaaaag ctcgaaatgtg aatgtagaag 180
ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagat gctcgaaatg gaataccgaa gctctgagca aattcaaaca ataataactt 300
tttactcgga tgtccgattg agtcccgta tatatcgga cgcttgaaat tgaat 355

<210> 10945
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10945

agcttctaca ttcaatttcg agctgttcga tatatcactg gactcaatcg gacatncgag 60
taaaaagtta ttgtagtggt aattcgctct aggccttggg attccatttc gagcgtctcg 120
atatatcacg ggactcaatc ggacatcaga gtaaaaagtt attgttggtta gaattcgtc 180
agagcttctg tattccattt cgagcatctc gatataattac gggactcaat cagacatccg 240
agtaaaaagt gattgttggt tcaatttgcg cagggcttcg gtattccatt tcgagcgtgt 300
cgatgtatta cgggactcaa tcagacatcc gagtaataag ttattgccga ttgaatctgc 360
tcacagcttc gacattccat tt 382

<210> 10946

<211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10946

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 ctacttatct cctcttttca ttatatttag gttctttctca gacgtttgag gttgttcttc 120
 agtcctgggt atccctatga agaaatttta agcacatttc acaatcagac eggcatagtc 180
 atgtgctcct acctcccaat gttcaccagc tntaatagaa caaggggtaa acaaaaattaa 240
 aaattaaaaa tttccctatt tccgattctt gttcgctatt tcttatagga ttaagtcaac 300
 aactattaac gaacgttgta ttctgcacca ggtggccttg ttcaattgaa ccatggcagg 360
 cctcagcctc tccaatatgt ggtcaatgca ngccttttgg ctgctcttta cagtgattat 420
 ctcgatgctg ctgatacacc tggatg 446

<210> 10947
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10947

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 aatcgtgttt caatagaatt aattgattaa tccaatatgt ataaaaaaat actcaataca 120
 aaaagattct tcatgtttat aatatcagag attgattaat tcaatagaat taattgattg 180
 atcttttgta atactcaatt aattgattaa ttctccaaaa ttaatctcca ttgtaatact 240
 caattaattg attaattgaa tggagattga ttaattcaat agaattaatt gattgatcta 300
 atatgtataa aaaatactca atacaaaaag attctttaat agaataaatt tcatgtttgt 360
 tttaatttaa a 371

<210> 10948
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 10948

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 ggatggcctt gattttctca ggggtccactt ggacccatt tctaccaact acaaacccta 120
 agaaaactat attatctaca caaaaagtac acttctctat atttgcatag aggggtgtttt 180
 tcctaaggac taaaagaact tgcctgagat gtcctaattg atcatctagg ctctactgt 240
 aactaaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttggta cattagttag cccaaaaggc atcactagcc 360
 attcatacaa accanacttg gtcttgaaag cggttntcca ctcatca 407

<210> 10949
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 10949
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 tgaaccacgg aagctctcga gtaattcaaa tggtcataac ttttcacaca gatgtccgat 120
 tcgggcgcat aatatgtcga gtagctcgaa attgaacaac ggaagctgtc gagaaattca 180
 aatggtcata aattttcaca cggagggtcag attcaggcac ataatatgtc gagatgctcg 240
 gaattgaacc acgaaagctc tcgagaaatt caaatgggtca taacttttca cacggatgac 300
 cgattcaggc gtattacata tacagacgct cgaaatggaa caacgaaagc tct 353

<210> 10950
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10950

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 ttgttcaatg tcgagcatct cgacatatta tgcgctcgaa tcgaacatcc gtgtgaaaag 120
 ttatgaccat ttgagtttct cgagagcttc cgtgggttcaa ttccgagtat ctagacctat 180
 tatgtgcccg aatctgacct tcgtgtgaaa agttatgacc atttgaattt ctcgagagct 240
 tccgatgttt aatttcgagc gtctcaatat attgtaagcc tgaatcggag ctcaagtgtga 300

aaagttatga ccatttgtat ttctcgagag cttccttgggt tcaattccga gcatctcgac 360
atattatgtg cccgaatctg accttcgtgt gaaaagttat gacctattga atttctcgag 420
agctnccgat gtttaatttc gagcgtct 448

<210> 10951
<211> 362
<212> DNA
<213> Glycine max

<400> 10951

taagtcctt caactgcaca agactcttaa tatttgaaga gtatccatgt ggaaccttca 60
cctgacgaag aactgacaa aaacttatct tctccttttt ggacaaagta tgacaagctg 120
ggggcaagta aattttattc ccatcagacc ttggatgcaa ctgtgatcgt atccccatct 180
tagttagatc ttgacgggta ttcaagccat ctttcatctt gccttgaatg ttaaggagca 240
tcccaatcac actgtcacat acatttttct ccacatgcat aacatcaata caatgtctaa 300
cgtctagatc agaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaag 360
tc 362

<210> 10952
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10952

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atccatcaaa gaccttaaaa ggcttaggac cccaatcaat gctcttagat ttcatgagga 180
tagggcagtg atcagagtag ttcttttcaa ggttgagctg cgaactgtct ggccacttag 240
aaagccaacc atcagagaca acagctctat ccaatttgct ttacaggaa ccattaggcc 300
taacccatgt gaactgctta cccacactag gaatatcttc cacctccatg atagcaagcc 360
aatcattgaa atctgacatg atgctggact ctgaatntcc atgattgctt cccattctct 420
ctgaagggtg cctaatacaa ttataatcgc caataagaca ccagcatata 470

<210> 10953
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 10953

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tcaccattga gagatataat gacaaggcgc tgtgtgatgt ggtcccaatg gaagcgaccc 120
atgtgctggt aggaagatcg tggcagtatg ataccactgc agagcatgat ggcttcacca 180
acaacatctt tttgcgcaag ctgacaagaa gattgctttc gcaccgttat ctctgaaga 240
ggtttgtgag gatcatatac aactgagagg attgagaaag agtgatactc ttgtgacgaa 300
aatgagtgag acacttgata acgaaatgtg aggatagaac aagagtgaaa cacttgagac 360
ggaaaagaga gatcacacgt agagtg 386
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<210> 10954
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10954

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gtgctttgtt gatggcttct tcccggtcca agcttcaatt ggagtcttgt cttttacaga 120
cttagtcgga catttgatga gtatgtaaag agcagtgtag actactttag ccagaaatgt 180
gttaggtagt cctttctcct taggcacgca tctgtccatt tccataaatg tgtaattctt 240
tctctcggac actccatttt gttgaggaaa atatgtgatt gtaagttgtt gctcaatgcc 300
ttcatcctta caaaatcttt canactcgcg agaggtgtac tctctgccgc gatcacttct 360
tagtactttt atccgttttc cactttgatt atcagcaagg gccttgaact ttttgaatac 420
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<210> 10955
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 10955

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agcttgagca atcctttgtt aactatgtct cgcacgatat ggcagtcgat ttcaatgtgt 60
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ttagttcgtt cgtggaaaat agggtttgag gctatctgga tggcggactg attatcacia 120
 tagagagttg caggttgaac gaaggggacc ggaaaatcat gaaggaggta ggtgagccac 180
 tgaagttcac acgtagtaga agccaaggct ctatactctg cctcagatga actgagagag 240
 accgtagatt gcttcttgga ccaccaggaa attagagact caccagata gactgagaag 300
 ccagtgatgg agcgtcgtgt gtcgcaacat cctgccaat cggagtcact gaaagctttg 360
 agagtgagtg taccttgagc cacgaagaag atgccagaac caggagttcc tttgaggtac 420
 gt 422

<210> 10956
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 10956
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 atcttgatcc tcgtacgtg gtgatgagga gcgggttgag tggccagtag ttttgaaacg 120
 gagtaatgtg gggccagtgg agtgactgtg tgaagaatta ccaatggggc ttccatccat 180
 gattcgtgca ctgcactttc ctacgctcac tgcctctccc tgcttcttct tcgcagccat 240
 gtgccatttc ttcagagcct tgtttgtgtg ctggtcaaat attgctgttt tcctccttga 300
 acccatctgc gtgtatgtat gtgtgcgttt acagcgatac attgtcgtcc attagaccaa 360
 t 361

<210> 10957
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 10957

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 cgttgttcaa tttcgagcgt ctgatatat tatgcgcctg aatcggactt tcgtgtgata 120
 agttatgacc atatgaattt cttgagagct ttcgttggtc aattatgagc ttctcaatat 180
 actatgcacc ttaatcggac ttccgtgtga taaggatga ccatttgaat ttcttgaggg 240
 cttccgtcgt gcaatttcaa gcgtctcggg atattatgcg cctgaatcgg actgctcggg 300

gataagttat gacca

315

<210> 10958
<211> 589
<212> DNA
<213> Glycine max

<400> 10958

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catcaacatc aggaatatga agagcatgat accaagcatt agaggagaaa gaattgtccc 120
gtagattctc aaaataccca gtttctaaac tgtattgata tagccagtat aatgagtga 180
attcagtagt taaagcatgg attaaccagt caactcttgg ccagaaattg gcataattct 240
ccttcaaaaag catggatttt aatttttaggt gataggattc tattgcagca tgtggctcag 300
gagttgtcac agagagtgat tttatggcat taatccacat atctgcatga gaagcacagt 360
aatatggtta ttcaagaaac aatattaatg cagaatactc aaatgactgg atagtccact 420
aattatgatg aaaataatta gtcaattgta gaaaatgcta gtgtgagtgt tgccaagaa 480
aacttaaggc actcatctgg aggtgggact aagaatgaaa tgaatttgat ataaaatctg 540
aatcagaatg tttctgatca aaactgacta tgatgtgagg ctacaacag 589

<210> 10959
<211> 562
<212> DNA
<213> Glycine max

<400> 10959

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actcactaca tgttggaaat ggaagtgatg gtcaagcgag tgtaacgaa acagttggaa 120
ctgcagagtc ggtcatccaa gaatctgctg agtatttgaa ggacatgagt gaagaagaat 180
tgatggaaat gtgtgacctc aaccatttgt tagatgaatt ggggccacgt ttcaaagatt 240
ggacaggccg tcaaccattg cctgttgatg cagacttggt gccagctgtg gttccaggat 300
ataaaacccc attcagactt cttccttata ggataaggcc ttgtttaacc aacaaggaaa 360
tgactaactt ccgtaggctt gcaagaacaa cagctccaca ttttgccctt ggtaagcaag 420
aaactatcta gttaaattca tgtcttgcaa tttgcaaag tctctttcta atagatacta 480

tttgtttgct aatgcaggca gaaacagaga attgcaaagt ctggctcgtg ctatggtgaa 540
actgtgggaa acaagtgcta tt 562

<210> 10960
<211> 379
<212> DNA
<213> Glycine max

<400> 10960

ttactgtttt gcagtgttca tcctccaaat cttttaacca tgtattgttt cgtgtcatga 60
agttgttgca ccctgaatca aaataccatc attcttctag acatgttggt tgtaactcct 120
cgtaagccat caacaaaatc tcttcttctt catctaattc atcataattt gctttctttt 180
ccaaggcagg acactcatat gggaaatttc ctagtttgtg acatttgaaa cactcaatag 240
tggctttatt gaaggattgt ctacctctcc ctctgccacg tcctcctcta tacgcacctc 300
gaccccggcc tctgatgggt ccacctctt gagtgttttg gcgagtgtgt tcttcatgag 360
gtgccttcaa cacatgctc 379

<210> 10961
<211> 647
<212> DNA
<213> Glycine max

<400> 10961

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agtgtatgaa ctaaacattg actgaaagag ttagaagctt acatgtacag tcaagcctac 180
gaaagcagtt ttgggcagaa gctatgaaca caacaactta cttgattaac cgaggtccac 240
tagtaccatt ggaacataga atactagaag aggtattgag tgaaaaaagg tcaaacttac 300
gcatctaaag tttttggttg tgtaacttat gtgcatatta gtgatcaagg aaaaaataaa 360
cttgatccca aataaaaaaa gtgcactttt attggttatg gtgaggatga ttttgactac 420
cgcttttggg ataataaaaa aaaatgatga tttgtagtag agatgtgatc tttaatgaaa 480
gaataatgta aaatgaaaaa cataacatag aactaacia ctcaaacag agtgagtcaa 540
tgtatgtaga ggtggatgat gtcccaaaaa ctcttgtaat tgtgagtcac caaccagagg 600

aatcaatgga agataacagt gaaccacatt tcaacatacg agatcat 647

<210> 10962

<211> 567

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10962

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tcattgtcat cgtttttttc gtcattgagg tgccacttaa gctgccagggt tctctccacc 120

tttgggcgta ttcttttgaa agaatcgtgc cctctttttg cacatgttct atagttgcat 180

cctatccgaa gacattatac tgacactgcc taacgaaggc aaccactagg tcattccaag 240

aatggactcg ggaagggtcc aagttagtgt accaggtaac agctacccca gtaagacttt 300

cttgaagga atgtatcagc aattccttat cttttgtgta tgcccccatac ttccgataat 360

gcatcttttag atgggttcttg gggcaagtag tcctctcgta cttgtcaaag tccagcacct 420

tgaacttggg aggggtgatg atattgggta ctangaacaa ctctcctagg ttagcaaagg 480

cataatcttc acctccttca atggccatga gcctttcctc tagatgatcc cacttttcca 540

tttctgccat agcatgaggg tttttac 567

<210> 10963

<211> 653

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 10963

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aatcaaccaa gtgggtgaac ataaatgatt agtgtactgg atttaagatt gaattaatcg 120

agtaatatcc gagtttaacc ctgagcgaaa ataattacta gatatttaag tccaaaaaaaa 180

tatcattagc aaaaacacac aattagatgt tttttaagat atttagtaag cacatcttat 240

acttgatcaa acaagtaata acttaaggct aagcattgta agtaacacta aataaaatta 300

aattggatgt gtcttaagaa tattaattaa ttcttaaaaa tcacattaaa aaaaaaaaaag 360

aaagacatca ataatatatt ttaataaaaa atttaacttt tattcccttc cctccttttt 420

tatttataag acctaagttt aaaattgtat ttgtttcttt ttatcagatc taatctaadc 480
tataatattt ttggaattaa ttattttaaa aatatacttc attaaaagaa gataaaaaaa 540
tatattaata aataattaaa agaaaaaaat attattaaca atgataattt aaaaaaaatg 600
atgaatttaa cataattnta ttattatcaa ttaaaattat tatttttttt aat 653

<210> 10964
<211> 538
<212> DNA
<213> Glycine max

<400> 10964

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gcttgacgca tcttacttca tatgtcttga aaatacatga gagtgggtcat cctcttaata 180
ttccctccac gatactgctt taatctctaa ccatttacta cccatgggtct gtctagattt 240
tctaattgag gatcaaataa ttccacaacc ccgtaggggt tgacatcttt gatgatgaaa 300
ggcccaaacc atttggattt catcttgccg gaaaataatt tcaatcttga attgaacaaa 360
aaacattttg tgccctagct ggaactcctt tttaagcagc tttttatcat gataggcctt 420
cactttttca ttgacaattc ttgaagactc ttaggcattc atcctcattt tttctaactc 480
taagagttga aacttccttt tttctcctgc taaggactca tcaaaattaa ggaatttc 538

<210> 10965
<211> 380
<212> DNA
<213> Glycine max

<400> 10965

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acgattaaga ggcagccaga tattgatgct tatgacactg gtgggttgact gctagatgat 180
atttctggag atataaagct taagaaggtc tgcttttagt atacttctag acctgatgag 240
caaataattca atggattttc aatttcaata ccaagtgaca ctactgcagc tttggtaggg 300
caaagtggaa gtgagaaatc aacaattatt agtttaattg agagatttta tgatccacaa 360

gctggtgaag ttctcattga

380

<210> 10966

<211> 622

<212> DNA

<213> Glycine max

<400> 10966

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttgaggatg ggagatgaaa atagagcatg ttttctcatg 240

caacaactat gaggaggacc aaaaggtgaa gcttgccgcc acggagtttt ccggctatgc 300

tcttgtgtgg tggaacaagc taaaaagga gagagcaaga aatgaagagc caatggttga 360

tacatggacg gagatgaaaa agatcatgag gaagcggatg gtgccggcta gttactcaag 420

ggacttgaaa ttcaagctcc aaaaactaac ccaaggcaac aaggggggtg aggagtattt 480

caggaaatgg atgtgctcat gattcaagca aatattgaag aagatgagga ggtaactatg 540

gctcgatttc ttaatggttt gactaatgat atccgtgata ttgttgagct gcaagagttt 600

gttgaaatgg atgatttgct tc 622

<210> 10967

<211> 566

<212> DNA

<213> Glycine max

<400> 10967

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ttgggataaa ggtagtgttg ccatgttttc aaagcccgtg ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa tccttcacaa atcgtctata aaaacttgct 420

aagccatgaa aacttctcac ctcggtcaca gacttaggtg taggccattc ttgaataggc 480
 ctaacctttc tctcatcaac ttgcactcct tttgaactca caccaaaacc aagaaacaca 540
 acatgggttag tccaaaagat gcattt 566

<210> 10968
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 10968

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 atgctctggt ggcaagcaca ttagccgtct gatctttctc tcttggaatg tggcggaaag 120
 agacctcatc aagaactcaa ttaccttctt gatgtatgcc tgatagggca tcaactcgtg 180
 atccctagtt tgccattctc ccctcatctg gcgaattacc aaggctgagt ctctgctcac 240
 tttaaccaat tcgacattta agtcaattgc cacttggatt ccgagggcac atgcctcata 300
 ctcagccata ttattcgtgc aatcgaag 328

<210> 10969
 <211> 650
 <212> DNA
 <213> Glycine max

<400> 10969

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 acattatatt aattatcatg tctacatttt tgtcatttct ttttctcggg gtatattagg 120
 agcaggtgtc tatatggagt atggataatt tttgtatact agaaaagtaa tgatatatat 180
 cacatacctc agtaacatat tttctctctt tatctcacga attctattac attatctcac 240
 ttatcatatt tatatacttt tctcttggtg gatcaagtgg tctcggatta attaagaagg 300
 ggggggttgaa ttaattttta atgtgtcttg actaattaaa aattatcctt cttaatatta 360
 ctagattcaa ttaggcttta ctattaagtt atgaggaagt aaagaacaaa aacaataact 420
 tagacaaaag taaagcggaa ataaaagtac gtagcggaaa agtaaaaagt gtagggaaga 480
 agaagacaaa cacaagattt atactggttc ggccacaacc catgcctaca tccagtcccc 540
 aagcaaccac tgggttcttga gatttctaata aaccttgtaa aatcctttac aagcaaagat 600

ccacaaggga tgtaccctcc cttgttctct ttgaacaacc aagtggatgt 650

<210> 10970
<211> 410
<212> DNA
<213> Glycine max

<400> 10970

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aaaactagag atttggatca cgtaaagtgt gttaaggatg aagaaagcaa aggcttagtg 120
catgaaaaag atatcaagga aaggtggaag gtgtatttcc acaacttatt taatgatgga 180
tatggatatg actctagcag tctagacaca agagaagagg accggaacta taagtattat 240
cgtcggattc agaaacagga agtaaaggaa gcgttgaaaa gaatgagtaa cggttaaggcg 300
gtggggccaa acaacatacc tattgaagtg tggaaaactc ttggagatag aggtcttgag 360
tggctcacca aactctttaa tgaaattatg aggtcaaaac gcatgcccga 410

<210> 10971
<211> 594
<212> DNA
<213> Glycine max

<400> 10971

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tagcggagac ggggtattcc ctcttgctcc ccaaggcttc tttgtgtcac ttgaatttgg 120
ccactgatgg catcacgcaa acaccgaaag tggcgagaaa ttgttcttaa agcaagcgta 180
gtatatgggt ctgctgctcc acaccggca accatgtcaa aagatgacac cacaatctgc 240
atctgatggc agtactgtct gtatctttta tctacctata accagtggaa acaaggaatt 300
ttttatggag tccgccattg gccgacacta tcatgaattc ataactaact gtcttttcaa 360
tagttaaaca caccgttcaa actttggagc aacaaatgaa ttctacaaac attatagata 420
taactgtaga gcaatattat gtctctttaa ttaatcttca ttcaaataga attaaaaacg 480
tataaacttt gtgaacatca actatataat taatggcttt atgggtggtgc accagttcaa 540
tctgacgtga cagctaacat ttcaaaacca ttaccttcg ttactggttt gggc 594

<210> 10972
 <211> 503
 <212> DNA
 <213> Glycine max

<400> 10972

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ttcagatcat ccogtgttgc caacaattcc aagaaagaaa cgtaacgtgc taacttcctt 120
tctctttgga aagaaatctc aaaactctac aaacaaaggc accaataagc tttcttctgt 180
tggtgttgtg gaggaattat ttgaagaggg ttctgcaatg cttacagaga ggtaactggg 240
accataactg ctaaatttat atttgcattga tgtcatttga agtttaattt gtcaccatca 300
tggtggaaag agagaaaaaa tgatcctttt ttcccaatac atctatcttt gattcttaaa 360
ttttcggact taaaatgcag gttaggcaag gattttccat ctaatacgaa tcctgagatg 420
ttccgctgtg cggtttgcca agcagatcag ccctctgtgg acagtttatc aatgaacact 480
gggccttggt tccccccagt atc 503
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<210> 10973
 <211> 465
 <212> DNA
 <213> Glycine max

<400> 10973

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tgaagtgggt ttataaagtg aaggtgaaat ccaaatgagg ccagacttgt ggcaaaaggg 180
ttcttatgaa aacctggagt tgactatggt gaggtctatg cacctgtggc aagaatagaa 240
acagtgagat tgggtggtagc aattgcaa ataaaagggtt ggtctatgca taaactagat 300
gtgaagtctg ctttcttaaa tggacagcta gatgaggagg tttatgtgga ccagccactc 360
tttgagaaat tgggacaaga agaaaaggta tacagattga gaaaggcaat atatggtctt 420
aagcaagctc caaggggctg gaacaaaaaa attgacagct ttctt 465
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<210> 10974
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 10974

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gtccttacta atttaaaatt taaccctttt aatgttacta gatttccaat tagctttttac 180
tactaacttt agaaagtaaa gaacataaat aaaaacttat ccaaaagtaa aagcgataat 240
taaaagtcca tagcagaaat taaagagtgt atggcagaat aatacaaacc cccgatttat 300
actgggtctg ccacataccg tgcctacatc caatcctcca gcaacctgct gttcttgaga 360
tttcttttaa cccttgtaaa tcctttacat gccaaagatc cacaagggat gtccccttcc 420
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<210> 10975

<211> 499

<212> DNA

<213> Glycine max

<400> 10975

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tgattgagtc ccgtaatata tcgagacccg tgaaattgaa tgttgaagct ctgagccaat 120
tcaaacgaca ataacgtttt actcggatgt ctgattgagt cccgtcatat accgagacgc 180
tcgaaattga atgttgaaac ttcgagccaa ttttaaacga caataacctt ttactcggat 240
gtctgattga gtcccgcaat atatcgagac cctcgaaatt gaatgtggaa gctctgagcc 300
aatttgaacg acaataactt ttactcggga tgtctgattg agtcccgtaa tatatcgaga 360
cgctcgaaat tgaatgttga agctttgagc caattcaaac gacattaact tttttatctc 420
ggatgtctga ttgagtcccc taatatatct gagacgctcg aaattgaatg ttgaaccttt 480
tgagcaattc aaacgacaa 499

<210> 10976

<211> 544

<212> DNA

<213> Glycine max

<400> 10976

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aaaaaagtta ttgtcttttg aatttgctca gaggttcaac attaaatttc gagcgtctcg 120
atatattacg ggactcaatc agatatccga gtaaaacttt attgtcgttt gaattggctc 180
agaggttcaa cattcaattt cgagcgtctc gatatgttat gggactcaat cagacatccc 240
agtaaaaagt tattgtcgtc tgaattggct cagagcttca acattcaatt tctagcgtct 300
cgatatatga cgggacaaaa tcagacatcc gagtaaatat ttattgacgt ttgaatttgc 360
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cgagtaaaaa agtattgtcg tttgaattgg ctcaaagctt aaacattcac tttcgagcgc 480
cacgatttat tacgggactc aatcaaacat ccgaaaaaaa agttattgtc gtttgaattt 540
gctc 544

<210> 10977
<211> 521
<212> DNA
<213> Glycine max

<400> 10977
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attaccttat cattctccat cacgttcaag aggggaagag ctagaatttt ttcagcatca 180
tggtggctaa agattgcttc cacgagatat ttcttccatg cacacttatt atgatctatt 240
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ttatcatttt taagccaagg ttgggactaa gcatgaatag aattaccatt tccaatcctc 360
cattgctaaa ctctttttat cactaccggt gaagtatgga tactacgcca tacaagcgtt 420
gaattatgcc ccaattgtgc atccaaaaaa tccaccgacg gaaaataatt ggctttgaaa 480
ttctttgcta ttatagtact tggctggcca taaatcttca a 521

<210> 10978
<211> 506
<212> DNA
<213> Glycine max

<400> 10978
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ctgttaggtt acaattatga tataacaatac aagtcaggta agtccaacgt tgttgagat 120
 gcgctttcca gggtaacctca tcccgaagca agccagtact gggtattatc tatccctcac 180
 ttcatcttcc togatacact gcgccaacac ttcaccacca gcactccttt ccaggccatg 240
 cttaccaag ttacgagtga cccagttca caccocgagt ttgcacttcg cgacggcttg 300
 ttattcttca ataatcgaat ttgggttgaa cccgacaacc ctttcgtcga taccttgatt 360
 gacgaattcc actctactcc tatcgcggtt cacctcgact ttgccaagac actccattgc 420
 atacaagtca gtttccactg gaacaccctc agccgtgacg ttaagcgttt tattcgacaa 480
 tgcccgaat gccacaagt caaata 506

<210> 10979
 <211> 613
 <212> DNA
 <213> Glycine max

<400> 10979
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 ttcttcagtt ggttaaaaac tcatgtttca tgattgaaag gtataaaagt tatgacttca 120
 tattaatttc ttcttgggtc atgacatgat ttatagtgtt tttatttctc acattctaata 180
 tgacttttta tatgatggtg atgcacttgc agatcagaat tgggtccctgc atatgttcgt 240
 ctgctgcgtg ataatgaggc tgaagtacgt attgctgctg ctgggaaagt aactaagttt 300
 tcccgcatat taaatcccg tcttgcgatt cagcatattc taccatgtgt gaaggtaacg 360
 tcacagtaaa aaaattggga ttcttagagg ttaacattta tgatactagt atgattacaa 420
 ctgataaagt ttgcctacta taggagttat caactgattc ttctcaacat gttcgctctg 480
 cactggcttc tggtataatg ggtatggcac cggtgttagg gaaggatat aaattactat 540
 ctaaactcat tatttatact gacataaatt taacacattt aaagtcattc caaatgtggc 600
 ttaagttatt atg 613

<210> 10980
 <211> 568
 <212> DNA
 <213> Glycine max

<400> 10980

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 gttagtgcctt agctctactg agtttttaaaa gattggctaa gattttgtta aaacataagc 180
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 gcaggatcca cgatgtcgga tacaatgtcc tgacatcctg cccgaaaata ctggagttgc 360
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 atgtcggaca cgatgtcctg acatctggcc cgaaaatact ggacacataa atctgttata 480
 tctttaacag attattgtgt agttagcaag agataagatg atctatcttc tggaacgaat 540
 taaaagataa ttaaagttcg aatttcaa 568

<210> 10981
 <211> 610
 <212> DNA
 <213> Glycine max

<400> 10981

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 cctttgtttg tgatactttc catagagcaa aacagagaaa actcccattt cccaatagtg 240
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 caactgcttt gaatggacat aagtattttc ttacaattgt ggatgatcat actagatttg 360
 tttggatttt tataatgact tcaaaagttg agactcaaac tcatttacia gcctttgttt 420
 cctatgttga gaggcaattc aatacaaaag tgaaagctat ccgatcagac aatggtgcag 480
 aatttattat gaaacatttt tatcataata ctggtatcat acaccaaact tcttgtgttg 540
 aaaccccccc tctcaaagtg aaatatggaa agaaagccat cacatttatt aaatgttact 600
 cgaacccttt 610

<210> 10982
 <211> 647

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 10982

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cagcattatt gtgtttgccc gttaatatatt acgtgggtttt tgcgaggaat aaaattttgt 180
attcctctgt ttatttatat ggcaatgttt cgtaatttga aaaatacgtt gttgctttta 240
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gtatttcttt agcaaaaaat ttatgccaat tgcttaaacc ataaggtata actaacttga 540
tctctctttt tttccagtaa aaaaaaaaaac gtgatctctt cttaaaagat atatgattat 600
ttatttttac cacgtattat tttcattaaa aattaataaa aatttat 647

<210> 10983
<211> 423
<212> DNA
<213> Glycine max

<400> 10983

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tctgaacaat aaaatgatgc aggaaatgtg cggggatttc aagatccagc atcataactc 180
tacccttat cggccaaaga tgaatggggc tgtagaggct gcaaataaaa atattaagaa 240
gattattcag aagatgacgg tgcatacaa agattggcat gagatgctgc ctttcgcctt 300
gcacggatat agaacctcgg taaaaacttc tactggggca acgcatatt ctttggttta 360
tgggatggaa gcggtactcc catttgaggt agaagtcctt tcccagaaat actagcggaa 420
tca 423

<210> 10984

<211> 484
<212> DNA
<213> Glycine max

<400> 10984

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aagaaagggt tccggaacaa aggaaatcaa agcttcaacc aaggggagat ggaccatttc 180
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tgaggacaaa tcctttctca gagggagaga atgatgagga catgaccaag agcaagggca 360
aggatccact tgaaggactt ggaggaccta tgacaagggc tagagcaagg aaagccaaag 420
aagctcttca acaagtgtg tccatactat ttgaatacaa gcccaagttt caaggaaaaa 480
agtc 484

<210> 10985
<211> 605
<212> DNA
<213> Glycine max

<400> 10985

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gaagtccgat tcaggcacat aatatatcga gacgctcgaa attgaacaac ggaagctctc 120
gagaaattca aatggtcata acttttcaaa tggaagtccg attcaggtgc ataatatatc 180
gagaagcttg aaattgaaca aaggaagctc tcgagaaatt caaatgggtca taacttatca 240
cacggaagtc cgattcaaga gcatactatg tgaagatgct cgaaattgaa caacgaaagc 300
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gtgacacaga agtccgattc aggcgcataa tatatcgaga agcttgaaat tgaacaacgg 480
aggctctcga gaaattcaaa tggtcataaa gtgtcacacg gaagtccgat tccgggggat 540
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acttt 605

<210> 10986
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 10986

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ggacatccga gtgaaaagtt atgacaatth taatttgctg agaacttaca ttattcaatt  180
tggagcgtct ctatagatca tgggcctaaa tcatacactc atgtgaaaag ttatggccga  240
ttgaattgga ccatagcttt ctgcttaat atcgagcgtt gttgtatatt atgtgccaga  300
atgtgacatt cgacgcctta gacatgacca tgggaatggt tctagaggta catctttaat  360
tctgtgcac atgatatact atgggcctga gtcggacata caaggtaaag gtcatgagca  420
tttggattat ttgagaactt                                     440
  
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<210> 10987
 <211> 555
 <212> DNA
 <213> Glycine max

<400> 10987

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cccccttctt aattattctg aggccacttg atccaacaag tggatcaga gcaattatct  180
tgtagaaagt ctaaccactt caagattcat ggcctcttca aatcctttgt ttctgaagg  240
aaattccatt catagaccac ccattttcaa tggtgagggt taccattatt ggaaaacccg  300
tatgcagatt tttattgaag ccatagatct aaatatttgg gaagcaatag aaataagacc  360
atacatacc actgtagtag atgtaagcac aagcactaca acacaaaaac ctagagataa  420
gtggacaaaa gaagatagaa gaagaatcca gtttgatctc aaagccaaaa acattattac  480
ttcagcctta ggaatatatg agtattttag agtgtcaaaa tgtacaaatg ccaaagagat  540
gtgggatact ctcca                                     555
  
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<210> 10988

<211> 598
 <212> DNA
 <213> Glycine max

<400> 10988

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agcttgttgt caccatcaac aatctgtttg ttcttgaagt aactagcctt gccaaaaccc 60
tcctcagggg aatggccact ccccatTTga gtcgagggtg gttggccgTc ggactcagag 120
ttcacaacct ctccccccca ctcaatcatt gacgcgctgt cagagaggta cgagaataga 180
ggagccggcc agtatcccat aacatggTca ttcccaaact gcatccacca gttaccctct 240
ttggggTcct acatacatat tggTTTTcca taatagacaa catcagatgg cattgttcca 300
tattaataaa ttcatggacc ctaaaaaata atgcagcatt cacgtataat gaaatgTtag 360
tgTcagagat tctcttgatt tataattaac tagTgtggTc tgcacaaaac agTggTgtta 420
atatattaat ggtgcattat ggtagTgttt gttaagtgtt gggcgTattt ttatgccaga 480
atgtccaata tcaagagata atatataaaa tggaaataaa taaataaaaa atgtaccttt 540
cagaccagga tgctgatatc atattgggaa gagctatact taaaaaaggg ggagatgc 598
```

<210> 10989
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 10989

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atcaactatg catctggcag aaaacatgaa tggccttacc aatattagct gaatggccgt 60
atctacacaa atatgcatca ccactgattc tgTcgggaag ataaagagtt tTactacgac 120
catgacatct ttaatgacta aaataggTat gattatggat gcacctgcta cttgcaaagt 180
catctcttac gggcatgatc tgcaactgtt ccaaacttat acacatggag agcggtatta 240
caggaaagaa ggTcctaag tTactaagag cTTTTttcac agTgacttct gcaattgaac 300
agggagtatt gacactgcca ttgtTTTTtt gctagggTgg taagatc 347
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<210> 10990
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 10990

caacgaactc tatgaccatc tccttggaga gaagcatttt tctaataaac agacattcag 60
tctctatgtg cttatttctc ctatgaaaga ctgaatttga cgcagatctg aatagcagcc 120
ggattatcag aatccaactt catttgcaac tatacacaga acctcaattc ttgccgaaag 180
tgaatacccc acatgagtgg, acaagttacc atagccatag atcgacattc aagtgtctga 240
ctagatctat cgacgacagg atgcttcttg cttttgcgag agagacaatt tccttccacg 300
aagactcaag cgcctagggt agacctccta ttaatggga 339

<210> 10991
<211> 483
<212> DNA
<213> Glycine max

<400> 10991

ttatatccc tgagactagg ctcaagccct tttatttaca ctatatcaga ggtgagtga 60
cctattagca gtgaccctt tgttctagta attattattt gtgttggttgc tcatgaagca 120
ctatctagta tgaattttta ttggttgcaa taggatttca atgtaaagggt gaattttttg 180
gagaataatt ttcctttgat cttacttcgt ctgctgaatt cctaaggatt attgttggtc 240
tggttttcta tataagccta aggaatcaat cctggcaaac cctatgatcc gcattcccag 300
cggatctagg gtgaaccaat ttggcggtcc tgctttgcac atgagaagga atgttggtt 360
gagagttagg tccatgggtg agatagtga tcacaacaca aatttcagtt ctcatagaat 420
acatgcatag tgtttttgtt acatgtagaa atattatttg ggattgttcc ttcaacattt 480
atg 483

<210> 10992
<211> 506
<212> DNA
<213> Glycine max

<400> 10992

tcccgacaaa cacttggagg agaagaagaa tttttgaaga aaaaagttaa aattaactta 60
cgaaccttac aattattaga atctttctca tctaactact ccaaaagttg actgcataac 120
gtgattttat cttagtggag aagttttatt tattttacct ccctatttct tctcctatag 180
gtgattgtag aatgtacaga agcttataca aattgaacta ttactttgct tatccaataa 240

gattagattt atatacttgc tagatgcata gtctattaaa aagtaatatt acacgaagtt 300
 ttggattatt gaatttagtc tcgtagcagt ttattattta ttataaattg aaaatccttt 360
 ttgaacactt tgtttaatcg ggttgacta gttattgaac taaccattac ttgacctatt 420
 aatggtagta tacatctcat atcatctcac tggataatat ttctctctgc gccataattt 480
 caacatggaa tcaaagaagt atatca 506

<210> 10993
 <211> 642
 <212> DNA
 <213> Glycine max

<400> 10993

agcttctcag ggaaaaatct tgacggttag gattccaatg gatatccatt ccaccccaaa 60
 tatctcaagt ttttaggtaa gaattcaaga ccctttggaa ggtacactga attaatcttc 120
 tcagagtctc cattgtgaga ttgaaagt agtaatctca ggtttggcat ctttctgaat 180
 actttggagc ttaaatttat atgtgtaatt tgagtcatat ctaaccatat tccttcaact 240
 gcagcagttc cctgacaaat aataattaga attaatgttt acatcttttg taataatttg 300
 cattttttat accaagagtt taggaatgca agtcaaagta tcattaacat actctattat 360
 ttgtcaatac atcatagatt tccacaggat ccacaaatct actgcgttgc cctggaaatt 420
 taacagattc ttcacgaaca acttctctac ccatttcttg tatcagatcg tgcatatcta 480
 tgcaattgct atatgtagta gtgataagag ctttgtctaa aagacttctt atccctatat 540
 cagcagaaaa atcgagtc ttaatatatt tgttacatgg tctctgcttt gtcctttaag 600
 aaaacagcta tgtctaaaaa aatgtttttc tcatcatcat ct 642

<210> 10994
 <211> 512
 <212> DNA
 <213> Glycine max

<400> 10994

acagtagagc cgaccggctg gcatgctagc ttggcgcgtc aacttacatt tgacttccag 60
 aggaacctca tgttgaagaa atgatgcccg ccacaacgta aggctccatc cccaaatgga 120
 ctgtctctga tctcaagctt ctgcagatta ggacatcctt tcagaacata tcggagtccc 180

agatcaatgt ctccagcaga ggctactgac cgcgccctaa tcgacttccc atacgtgcga 240
 ttgtaagtca aagcccgatc agtcctttta ccagacacag aatgccgagt gagcttctctg 300
 cgttcataac gatggcacca aaaccctcat ccatgggttc tagcgactct gggcctggcc 360
 tataccgtcc aaatttgcac aacctaaaca cctcaacatc cgggcagttg ttcgacatgg 420
 ctaccacggc agcattcgcc atcctctggc acattaacag aatcgactgc agtttcctac 480
 aacctcgaga aaacggcttc aaaccccacc tt 512

<210> 10995
 <211> 308
 <212> DNA
 <213> Glycine max

<400> 10995

ttgagccaat tctaacgata ataacttttt actcggatgt tcgattgagt cccgtaatat 60
 attgacacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacaac aataaatttt 120
 tactcggatg tccgattcag tgacgtaata tatcgggacg ctcgaaattg aatgttgaac 180
 ctctcagcca actcaaacga caataacttt ttactcggat gtctgattga gtcccgaact 240
 atatcgagac gctcgaaata gaatgttgaa cctctaagcc aattcaaacg acaataacat 300
 tttattgg 308

<210> 10996
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 10996

cagcttgtag atctcaacct atcacataat attcttgaag gggagctgaa cttgactgga 60
 ttgataggct tgcgcacatt agacttgtca aataacagat tttatgggga tattgggttg 120
 aatttccctt ccatttgtgc caatttagtc gttgcgaatg tctcaggtaa taaattgact 180
 ggtgtgattg aaaactgctt tgatcaatgt ctcaagttgc agtacttggga tttgagcacc 240
 aacaatctga gtggaagcat atggatgaag ttttcgaggc tcaaagagtt ttctgttgcg 300
 gagaaccatc taaatgggac tattcctttg gaagcttttt ctttgaattg tagccttcaa 360
 aaactagacc ttttacaaaa tggattttgc tg 392

<210> 10997
 <211> 505
 <212> DNA
 <213> Glycine max

<400> 10997

agcttgaatc ggacatccgt gtgaaaagtt atgagcattt gaattactca agagcttcca 60
 ttgttcaatt tcgagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120
 ttatgaccat ttgaatttct caagagcttc cgttgttcaa tttcgagcct ctcgacatat 180
 tatgcgcttg aatcggatat ccgtgtgaaa agttatgacc atttgaatat ctcgacagct 240
 tctgatgttt aattcgagcg tatcaatata ttattagcct gaatcgaacc tcagtgtgaa 300
 aagttatgac cattttaatt tcccgagaac ttccgttttt cattttcgag cgtctctata 360
 tgtgatgctc cttaatataa catccgcgtg aaaagttatg accatttgaa tttcttcaag 420
 agcctccgtt gttcaatttg agcgtctcga tatgtgattt gcctgaatcg gacattccgg 480
 ggaaaagtta agaccctttt aaatt 505

<210> 10998
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 10998

agcttgtagg gttaaagtct cacgattggt acatgctgat gcaataattg ttaggcgtga 60
 ctatacgaga catcttgcca aacaaagtca ggttatccat aactcacctg tgcttttttt 120
 accatgccat atatagcaaa gtcattgatc ctgtcaagtt tgatgagcta caaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 ttcacttgat tgtgcatcta gtcagagaaa tcaaatgtcg tggtcctggt tatttgcggt 300
 ggatgtaccc ggttgagtga tacatgaaga tcttataagg gtatacaaat aatctatatc 360
 gtccaaaagc atctattggt gagaggtaaa ttgcatatga agccattgaa ttttgtctag 420
 aatacattga aaaggctaaa actattggcc ttctgaatc tcaacatgat gacaaaagtg 480
 gtgggta 487

<210> 10999

<211> 615
<212> DNA
<213> Glycine max

<400> 10999

agcttatcaa tctgaattca ttggcatgga tgggcttctt gaccttagga attaagacta 60
tgaagggtttt atttatgtaa gttaggtcct ttcctttgtt caaaatttgt agtgctagac 120
ttgtgatatc aacaccaata atactccaaa atttgtggta aaaaagagtg gaggtgtcat 180
ttggactaag ggattttgtg gggagcattt gagaaatggg gtcttgaatt ttagtcccta 240
tgaattcagc attcaagata ttgaggagat tcgggtgaaat tgtgttttga aataagcttg 300
taactttctc tgttaacaaa gtcttggagg gggtaaaca gtcagaaaat taattcataa 360
gaacttcacc tatattctca aaggcatata caaatctccc atcatccttt ttaagcctct 420
gaatagtatt tactttttgc ctctaagata ccttttggtg gaaaaaagt gtgttttggg 480
catcgggttt tagccaattt gcacaagaac attggtctca cttattttcg tcctgcaaca 540
agacatcatc aagagtattt ttaccaacta ttattttacc ttccacttg ttagtctaca 600
taggaagttg gaagc 615

<210> 11000
<211> 601
<212> DNA
<213> Glycine max

<400> 11000

agctttacac aacaaatatt taattgttgt gtgatcagt taaattacta ttttttatcc 60
taccagataa gacccaaatt tctcaagtgc aaacacaatt gccagtaatt ctttctcagt 120
tgtggcatag ttaatctgag catcattcaa aactttgcta gcataataga tggatggaa 180
tattctacct ttccactgcc caagtacagc acctactgca taatcacttg catcacacat 240
caattcaaac tcttgccccc agtctggtga cgtaatcaca ggagcagaaa ccattttagc 300
tttgagagtg ttaaaggctt ctagacactc ttcattaaat acaaacacag cttccttggt 360
caatagattg ctttaagggt tagcaatctt ggagaagtct ttaatgaatc tccgataaaa 420
ccctgcatgt cccaaaaagc tgcataatgcc tttogcattg actgggggtg ggagtttatc 480
aataacatct aatttagctt tatccacctt tattcctttt ttagaaatct tgagtcctag 540

cacaatgcct tcttgaacca taaagtgaca ttttttcata ctttagcacc atattggatt 600
c 601

<210> 11001
<211> 553
<212> DNA
<213> Glycine max

<400> 11001

agcttcccg c tgatggatt tatagtttaa tgataccatt gcttcctttg gatttaaggg 60
aatcattggt gatcaatgta tatattttaa ggtcagtga aataaggtaa tattttttat 120
tctgtatgct gatgatatct tgcttgcaac taattatctt ggtattttcg tgagattaag 180
aagtttctct ttagtaattt tgaaatgaag gatatgggtg aggcaagcta tgtgatagga 240
atataaatat tcagagacaa atcacaagga ctattaggct tgttctagaa aacatatatc 300
aataaagtac tagagagttt caagatgaaa aattgctcag catcacccat tccaattcaa 360
aaagagacac atttagtcct gcataatgcc ataagaatga tttggaacga aaacaaatag 420
aagcaatttt gtatgcatct gttgatgaaa gtattatgta tgcttagatt tgtacttgac 480
tagtcataag ctttgcaact tggatgttaa gaagatatca aagtaatctg ggaattgaaa 540
cattggaaaa act 553

<210> 11002
<211> 610
<212> DNA
<213> Glycine max

<400> 11002

agcttttctt tgagaaaagc aaaggcttgc tcttgttttt caccacaggt aaacgccata 60
ttcttcttca ccagctcatt gagaggagat gcaattgtag agaaattagg aacgaacctt 120
ctatagaagc ttgctaacc atggaagctc ctaacatctc ccacactttt tggggtggac 180
cattcttgga tggccttgat tttctcaggg tccacttgga cccattttct accaactaca 240
aaccctaaga aaactatatt atctacacaa aaggtaactt ctctatattt gcatagaagg 300
tgtttttctt aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc 360
tattgtacac taaattatca tcaatataag caactacaaa tctacctatg aaatccctta 420

agatatgatg cataagcctc ataaagggtgc ttggtgcatt agtgagccca aaaggcatca 480
ctagccattc atacaaacca aacttgggtct tgaaagcggg ttttcactca tcaccctttt 540
tcaccttgaa ttggtgataa ccacttttaa gatcaatttt tgaaaagata ttggcaccat 600
gccactcatc 610

<210> 11003
<211> 488
<212> DNA
<213> Glycine max

<400> 11003

tataataaat cgatacgcta gaaattaatt ttcgaaaact ctcgagaaat tcaaattggcc 60
atatcttttc acaggatgtc tgattcgggc gcataatatg tcgagaggct cgaaattgaa 120
cacttgaagc tcttgagaaa ttccaatggt cataagtttt cacacggatg tccgattccg 180
gcttataata tatcgatagc agcgaaatta aacatcggaa actctcgaca aattcaaattg 240
gccataacgt ttcacacgga tgtccgattc gggcgcataa tatgtcgaga ggctcgtaat 300
tgaacaacgg aagctctaaa gaaattcaaa tggtcataaa ttttcacacg gatgttcgat 360
tagggcgtat cacatataga gacgctcgaa aatgaaatat tgaagctttt gagaaattaa 420
atgggcataa cttttcacac cgaagtccga ttcagggtta taatatattg atacgctcca 480
aattaaac 488

<210> 11004
<211> 347
<212> DNA
<213> Glycine max

<400> 11004

aacttaaagt agctgcttgt catcagtcgt gacttttttcg taaaaatgac atcgtagaca 60
tcaaagagac attcctagaa cgcacgcggc aggtacatat agcttaaaac ctcagaatct 120
gaactcaatg aatggcggtc atattataga tgaatgctgc gccattgact cttgctctct 180
gaaccataga ctaaacttca ttctcttcg tccctggaag agacaagcga aacagggtatg 240
catcttcaca ctctccaatg tccacaagcc ccatgggttg cccaatcccc cctgtagcca 300
cagttccagt caagccaaaa ccattcttgg tagcagccac aatatca 347

<210> 11005
 <211> 379
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11005

 tgtgatgtn tccggcgatg ctgaatttgt tgatggtgct cataatattc ttaacaaaga 60
 cagtgaata ggccgtggag gatttggagt tgtttattgc actgtcctta gagatgggtca 120
 ttgtgttgca atcaagaagc ttacagtgtc cactttgacc aagtctcaag aagactttga 180
 gagggaagtt aaaatgcttg ggaagatcaa gcatcaaat cttgtggcac ttgaagggtta 240
 ttattggact ccacacctgc agtcctaat ttatgagtac ctagccagag ggagtttgca 300
 aaagcttcta cacgatgatg atagcagcaa aaatttgctt tcttgagagc aaaggttcaa 360
 gatcattctt ggaatggca 379

<210> 11006
 <211> 395
 <212> DNA
 <213> Glycine max

 <400> 11006

 tctaaacttt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
 tcttaagaag ggggggttga attaagatat cccaaattac ttccccaatt aaaaatttat 120
 ttcactttct tttcaagttg tagattcctt taacaatgaa cttcttaaatt attaatcaa 180
 ataaaacaat ttgaatatga atgtaaagca ataataaaca aaggagatta agggaagaga 240
 aagtgcaaac tcatatttat actggttcgg ccacaccctt gtgcctacgt ccagtcccca 300
 agcaaccgcg ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360
 aggacaatca ttcctttgta tttagaattc attta 395

<210> 11007
 <211> 250
 <212> DNA
 <213> Glycine max

 <400> 11007

 tcaacttgtg ctacatgcaa cattccgcac gaaagatctt ggccaactca catgtttttt 60

aggattggag gtacatcatc gatcaaatga catatTTTTa aaccagcata agtacattca 120
agatttgata actttggctg gtttgaagg cactacttca gttgatactc ctatggaagt 180
aaacgtcaaa tacaggaaag atgaagggga tcttttggct gatccaactc tctatcggtg 240
tttggTggga 250

<210> 11008
<211> 265
<212> DNA
<213> Glycine max

<400> 11008

tcaacattca atttcgagcg tctcgatata ttacgggact caatcaaaca tccgtgaaaa 60
aagttattgt cgtttgaata tgctcagagg ttcaacattc aatttcgagc gtcttgatat 120
attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaaa tggctcagag 180
gttcaacatt caatttcgag cgtctcgta tattacggga ctcaatcaga catccgagta 240
aaaagttttt gtcgtttgaa ttggc 265

<210> 11009
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11009

actcggatgt ctgattgatg tcngtatca tatcgagacg ctcgaaatng aatgttgaac 60
ctctgagcca attcaaacga caataactnt ntacaggat gtctgatcga gtcccgtaac 120
atattgagac gctcgaaatt gaatgtngaa cctctgagcc aattcaaattg acaataactt 180
tctactcgga tgtctgattg agtcccgtaa catatcgaga cgctcgatat tgaatgttga 240
agctctgagc caatacagac gaaccataac ttttactcgg atgtctgatt gagtcccgta 300
acatatcnag acgctcgaaa gtgaatgttg aagctctgag ccaataactaa cgaccataac 360
tntttactcg gatgtctgat tgagtcctgc aacatatcga gacgc 405

<210> 11010
<211> 264
<212> DNA

<213> Glycine max

<400> 11010

tctgagttaa aagttattgc agtttgcatt tgctacaagc ttccgctttc aactacgagc 60
gtctcgatat attactggac tcaatcgatc atcagagcaa aaagttattg tcgttagaat 120
ttgttcagtg cttccgtttt caatttggag cgtctcgata tattacggga ctcaatcgga 180
catccgagta aaaagttatt gttgtagat tttgctcata gcttctattt gaatttgcta 240
cgagcttccg ttttcaattt ggag 264

<210> 11011

<211> 394

<212> DNA

<213> Glycine max

<400> 11011

tctcgatata ttatgcgctt gaatcagact tccgttacat aagttatgac catatgaatt 60
tctcgatata ttatgcgctt taatcggact ttcgtgtgac aagttatgtc catttgaatt 120
tctcgatagc attcgttggt caatttcgag cgtctcgata tattatgctc ctgaatcgga 180
cttccgtgtg acacgggatg accatctgga ttgttcaaga gcatccgttg ttagatttcg 240
agtatctcga tatattatgc gctgaatcg gacatccgtg tgacaagtta tggccatatg 300
aatttctcga gagcattcgt tgctcatatt cgaacgtctc gatatagtct gcgcgttaat 360
cgaactttcg tgtgacaagt tatgaccatc tgaa 394

<210> 11012

<211> 226

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11012

ctctagaagc ttggttgatc aatttcgagc gtgtcgatat gttatgcacc tgaatcggac 60
ttccgtgtga caagttatga ccatntgaat ntctcgagag cattcgttgt tcaatttcga 120
gcatctngat ataatatgct tccgaatcgg acttccgagt gacaagttat gaccatctga 180
gattctcgag agctctcggg tctcaattta gagcatctcg atacgt 226

<210> 11013
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11013

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 attcctatgg gtgcttttga ggcagtccga tgcaccaga gagcatcatc aagcctggta 120
 ctccaatctt tctgtcttgg ctgcacaatc ttctctaaat ttcgcttgat ttctcggta 180
 gaaatttctg cctgtccatt ggtctagggg tggatgggtg tggataccct gtgtaccacc 240
 ccgtactttt taagcagggc atgcattgtc ctgttgcaaa aatgggttcc ttgatcacta 300
 acaattgctt taggtactcc aaacctgcaa aacaa 335

<210> 11014
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11014

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 ggccaagcta tgagacataa taccagtnn tgtgtggaat atatngcatt ggatcttgta 120
 atgaatagtg atggtaagtt gttgcagaca acatcttgac tacacttata ttgcaatcaa 180
 ttaaactaat taagtcttag cattcattgg ccttgatgag taaatatccc atgtacttca 240
 cattacttga tacaaattgt aattgtgtta tctcttccaa tggtaatggc tctattaaac 300
 aagcattcaa tggtagaaaa anatgtctgt cttgggttgat gtgcaagtta cctatttctt 360
 ctatattgat atgantgcac ttcgcagagt gattgcttga tatgacgatg gacactacat 420
 cgттаagctg ttcacaattt ggccagggtta caatttct 458

<210> 11015
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11015

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 tcccacacct aaagtaattc aaggtagtac attaaaagca tattcctgat cctagcaata 120
 tttatattca taaataaaca tggtaagctg atacatcttt tgaaatgtnt tttatttgga 180
 acagtgaatc tgtctggatg gatgactgat gaagagtttg caagagagat gattgctgga 240
 gtaaaccac acattattaa gaaacttgag gtaaatttac tattgaactg ttaagtacat 300
 aaaactataa acnatttatc cacttggtta atttgcagtt gataacctta actcattgca 360
 aattatattt att 373

<210> 11016
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11016

cgagacacnc gacattgact aaaggaagtt gtcgagatat tcacatgggc acaacttttc 60
 actcggatct ccgattcacg cgcataatat atcgacacgc tcgacattga acaacggaag 120
 ctctcaagac atctatatgg tgataacatt gtactcggat gtncaattcc ggcatataat 180
 atttctagac gctcgaatat gaataactga agctctcggg acattcaaat ggtcataaca 240
 ttctcgacag atgtctgatt catgcgcata atatatcgag acgctcgata ttatcatcgg 300
 aagctcact 309

<210> 11017
 <211> 427
 <212> DNA
 <213> Glycine max
 <400> 11017

tatcaaaatg cgcttaggcc cactccaatt ctttttagccc agacttttcc agaatcctta 60
 aagaggggac ctataacttca aacggtagta tgacttccat tccatacacc aaagaaaacg 120
 gatttgcccc agttgatgtg cgcactaagg ttcggttaacc atgcaacgcg aaaggagca 180
 tctcgtgcca atctttatat gacaccgtca tcatctgaat gatcttcttg atgttcttat 240
 tggccgtctc aaccgccccca ttcatctagg gcctgtaagg catggaattc tgggtgttga 300
 tcttgaaatc cttacacatt tccatcatca tcttttatcc aggttggtgg catcgtccgt 360

gataatcttc atgggcaacc catactgaca gattatctcc ttcttgatga atctaaccac 420
cacgctc 427

<210> 11018
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11018

ntctcatttc cagcctcttt tcctgtccca tattttggtg ttgatgtaca taaagtcctt 60
ccatcctaaa tggtaggaga acataaatTT tagagttgaa gatgcattgt tatatatgac 120
cttttacaat gatatggaat tagaaaatnt attgaacaaa aattcattca caaaaagttt 180
cacaagatta atacgtagct aataacaaat gggtttataag aatggcgaaa aatattgttc 240
atcacctgtc catataaagt tgcatttaca acacctgaat gcatatgagc agtgccataa 300
attagataac ctctcttttc cattgggatg ttttcttttt ggacatgagg agaataacca 360
ccaccaccag ttgctggaat ggtatactct 390

<210> 11019
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11019

gtcacacggg atatacataa ccaannaatg actacaaatt ataaaggagg tctattttgt 60
tgtcangaca acttacaatg caagcaaata gagggttntc aaggttcaag gagaatggtt 120
tccttaagat acanaattag ttgggttgat tggaacatat accaaatacc agttaaggtt 180
tacatacttg attccaccga caaagtgagg tcaaatgggt ccaaaatact tcatgattgt 240
ctggtagata atgtttccaa gacagtactt tatgataaaa caatatactc ttcaatctta 300
tagagtgagt gaacaanagt aaatctaatt 330

<210> 11020
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11020

tcttctcttt cacttcatgt atgctatang atacgaacaa tcgtatgaag atgggtatag 60
ttgaagagag acatggcctc tatcacctca taccagacca nacagacana agccattgct 120
cgaccattat tcaccctana tgcaatatta tcccaataga atctttggca ttttgaatgg 180
gccatctatc aacagaaaga ctgcaatgta tgaaacctta ttatccatt atgagaaatg 240
ataanaactn tgtgtgtaat acatgtcact atgcgaaaca caagaagctt nctttttctc 300
gagcatttca catgcatcac atacttttga ttacttcaca tggatatatg gggtccttgg 360
tcanaaccat ctatgcacgg gcacaagtat ttcttaact 399

<210> 11021
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11021

tcatgcttat ctatgtatgg caaaacttca ttactgttgt tcaagacata caagtgaagct 60
tgtaacaaat cttctacact tggagtgatc acctgcagtc ctcttgaacc cttaccaccc 120
actctgtcat catgctgaca ctgaggaagc ccaacagctt tagccttctc taagtattct 180
aaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc ttccggacga 240
tatagatttt ttgtataccc ttttaagatc ttcatgtatc gctcaaccgg gcacatccac 300
cgtagataaa caggaccaca acatttgatt tctctgacca gatgcacaat caagtgaatc 360
atgatgtcaa agaaagcagg gggaaaatac atctncaact ggcacagtat aattg 415

<210> 11022
<211> 362
<212> DNA
<213> Glycine max

<400> 11022

tgcccttcaat gccactctca ccctctccaa tacaaggcat tggaactttg cttcaacggt 60
tccctcaacc gtttgccagc atccacacca aaccctcttc tgataagtcc tccatataat 120
tccaccacta ctactccctc actttccaat gccttggttg cagccttcaa acgtgctcag 180

gctcaccaac gccgtggatc cattgatcag aaccagcagc aaccattttt gacttttaaag 240
 attaagggtgg agcagctcat agtctctatc cttgatgacc ctagtattag taggggtcatg 300
 cgagaagctg gtttctctag ctcccttggtt aaaacaaggg ttgaacaagc tgtttcaatg 360
 ga 362

<210> 11023
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11023

gctgcccag tttcatgatc ttgtagggtga agatcctcat aagcatctta aggagttcca 60
 tattctntgt tctatcatga agccccctga tgtccaagaa gatcatatct ctctgaaggc 120
 ttttcctcat tctctggagg gagtggcana agattggcta tactaccttg cgccccggtc 180
 cattttcagc tgggatgagc ttaagagggg ttcttggaaa attcttcctt catctacgac 240
 cactccatta ganaaacatt naggcacat acaacttagt nagagagctt gatgagtact 300
 ggaaagatca agacatgtgg cgagctgcct cacaccgatt tngcaaactc ctctcatatt 360
 ctatgaggac tggcactgga aggagatgat tgtg 394

<210> 11024
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11024

gctctcatta tatgcgcctg aatcgactcc gttgaaagtt attccatttt tatctctcga 60
 gagncttggg tcttcaatnt cgagcgtctc gatataataa gcacctgaat cggactgccg 120
 tgtgacnatg ttatgaccat tgaatntctc gagagcttcc gatgttcaat ttccagcttc 180
 tcgatatatt atgcgcctga atcagacttc cgtgtgaaaa gttatgtcca ttggaatttc 240
 tcgagagctg tcgatgttcg atntcgagca tctcgatata tcatgcgcct gaatcggaca 300
 ttcgtgtgac aagttatgac acattgaatt ct 332

<210> 11025
 <211> 324
 <212> DNA
 <213> Glycine max

 <400> 11025

 gtgacctatc aaactcagct ttcagcaaat tcaaacgaca ataacttttt actcggatgt 60
 ctgattaagt cccgtaatac atcgagacgc tcgaaattga atggtgaagc tctcagcaaa 120
 ttcaaacgac aataactttt ggctcggatg tctgattgag tcccgtaatc tattgagacg 180
 ctcaaaattg aattctgaac ctctgagctt attcaaacga caataacttt ttactcggat 240
 gtctgaatga gtcccgtaat acatcgagaa gctcgaaatt gaatggtgaa gctcttaggc 300
 tattctaacg acaataactt tttt 324

<210> 11026
 <211> 285
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11026

 tcgtctcgat atattacgag tctcaatctt acatctgang ataaaagtta ttgttgnnt 60
 gaattgctga gagcttcaac attcaatntc gagcgtctcg atgtattacg ggagttagtc 120
 agacatccga gttaaaagtt attattgttt gaatntgctg agagcttcaa cattcaattt 180
 cgagagtctc gatattgtac gggactcaat cagacatccg agtaaaaagt tattggtcgt 240
 tgaattagct ctgagggttca gaatacaatt tcgagcgtct caata 285

<210> 11027
 <211> 229
 <212> DNA
 <213> Glycine max

 <400> 11027

 gtgagccaat tctaacgaca ataacttttt actcggatgt ccgattgagt ctagtaatat 60
 atcgacacgc tcgaaattga atggtgaagc tctaagccta ttcaaacaac aataacgttt 120
 tactcggatg tccgattcag tgacgtaata tatcgggatg ctcgaaattg aatggtgaac 180
 ctctgagcca actcaaacga caataatgtt ttactcggat gtctgattg 229

<210> 11028
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11028

ggctatatag aaacaagtgc nttgattntc atgtggtggt tccaatttct gcaactctat 60
 tacagatggt ctcaaaacaa tatgtggttg tcggtacgag tggcatgata taattttaag 120
 cttgagataa atgctttaa aatgtgacca tttgctcaaa aaaaattctg cacacatcat 180
 ttacttatat gtaatgcgtt atacataaaa catgggattg tgacacagga tgactgattc 240
 tgcattttat ataatttatt cataaataca taggaaagta acacaaatag gctgagtact 300
 tttaaaatca caacttgtat ttaaacaac tctattgaaa atatataaaa tgccactata 360
 tcaaggctta taaagtattg tagattttta gttaaatca gtattacagt accatatgta 420
 tgat 424

<210> 11029
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11029

ntagttcatt gcttcaagta gtgctaatat gcttctagag gaaaacacgt tgccaaaaag 60
 ttactattag gccagaaga tattgtgccc gatgggtatg gagtatcaaa agattcatgc 120
 tttccctaata gattgcatac ttacagaca taagtttgaa ggaatgcaca aatgccctag 180
 gtgtggggta tcacgataca aagtgaagga tgatgacgag ttagtagta ctgatgaaaa 240
 ctcaaataag gtccccccag caaagggtgt gtggcat 277

<210> 11030
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11030

ntaaatatct gatgacggga atcctcatct gggagtggta tataaatcaa ttggtgcaga 60

cgacctgttc gcagaagcgc gggatctata atgtctggtc gattagtggc cccaatgatg 120
aacacagctt tctttgctga catcccatgc atctctgtaa gcaattgatt cacaaccctg 180
tcacagcgc caccagcatt tcttacctg ctgcctctct gcaagatgag gcacacatgt 240
tttctacaca taacaagaca ttactgtagt cttaagtact aagtcacact aattagctat 300
gttttaaatt tttttaaata catacgaatg cctgagaaac ccatacttct atctgat 357

<210> 11031
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11031

atctanngtg gaggaatcat ccannattga gatgggcaag tcctctacaa caacaatagc 60
ctgtccctta tntccaaaat gttgctggtc caagcaagcc atatgttcct cctccaatgc 120
atcagtagta gtaacaacaa caacaaagac aacaagcaac tgaggcccct tcttaacctt 180
ccttagagga gttagtggag caaatgacca tctagaatat gcaatttcag caagaaacaa 240
gagcctccat tcanggtctg acanatcaga tgggtcagat ggctactcag ttgaaccaag 300
cttagttcca aaattctgac aaattgcctt cacagactgt gcagaaatct gaaaatgtga 360
gtgccatcac cttg 374

<210> 11032
<211> 345
<212> DNA
<213> Glycine max

<400> 11032

gagcgtctag atatattacg ggacacaatc agacatctct agtaaaaagt tattgccatt 60
taaatttggg gagagcctct gtattcaatt tcgagcgtca agaattatta aatgactcaa 120
tcggacatcc gagttaaag ttattgtcgt ttgaatttgc ttagagttac tattctcaat 180
ttcgtgcgtc tcgatatact acaggactca atcggacttt ccagtaagaa gttattgtca 240
tttgaatttg ttgagagctt ctatattcaa tttcgagcgt cttgaattat tatgggagta 300
aattctacat tcgaagtaac aattattatt cgttcaattt gctga 345

<210> 11033
 <211> 270
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11033

 ttgagacgct cannattgaa tgcaggagct cttaccanatt tcanatgccca ataactntnt 60
 actcggatgt ccgattgagt cccgtaatat atctagatgc tcanaattga naacagaagc 120
 tctgagcaaa ttcaaacgac aatagctntt gactcggata tccgattgag tcatttaata 180
 attcgagacg cctcaaattg aatacagaag ctctaagcaa attcaaattga caataacttt 240
 ngactcgaat gtcncgattg agtcatttat 270

<210> 11034
 <211> 418
 <212> DNA
 <213> Glycine max

 <400> 11034

 tgtttcaaac catagatgga tttatttagt ttgcaaacca tagactttga gtcacctgat 60
 acaaagtttt ctagtgtcat catataaatt gtttcttcaa tgtcaccatt tagaaacaca 120
 gtcttaacat tcattctgatg tagctctaaa tcataatgag ctaccaatgc cattattggt 180
 caaaaagaat cctttgaaga tattggaaaa aagggttctt tatagtcaat gccttccttt 240
 tgggtaaatt ctttagcgac tagacgagca acattgccct ttgaatccct tttggtttta 300
 aatatccatt tgcaaccaat aggtttcaca cttttaggca attcgacgag atctcaaacy 360
 tcattgtctt gcatagattt catctcatcc ttcattggcat tcattccacat ttgagagt 418

<210> 11035
 <211> 348
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11035

 ctcagcttgc cttgtctctt gattattgag ggactcatgg tcactatgaa tgacaaattc 60
 cttgggataa aggtagtgtt gccatgtttt caaagcccg actaaggcat acaactcctt 120

atcataagtt gaatagttaa gggtaggacc acttaacttt tcaactaaaat aagcaattgg 180
atggccttct tgcatacaaca cagccccaat cccaacattt gaagcatcac actcaatttc 240
aaaagatttt tgaaagtttg gcaacgcaag tatgggggca ttagttagct tttgcataag 300
aacattgaaa gctttttttg tttnttttcc catttgaaac caactttt 348

<210> 11036
<211> 287
<212> DNA
<213> Glycine max

<400> 11036

cttgaggttt ccaagtgcc aatcgctctt tctttttgtc cagtcttctt ctgacttcaa 60
ttcatcagtg ggctttcctt ctgtgtccag catcttggga tgttcccagc ctttcatgac 120
agctttccag gttctgctat ccagtgttt gaggaaggcc accatccttg ctttccagta 180
ttcatagttg gttccatcca taattggtgg tctgttccact ggtcctcctt ctttctccat 240
gttcatcaga atttatctcc ctagatctca ctcaagtgtg tgcagtg 287

<210> 11037
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11037

ctcgtggctt ctntgagaag ctntctcaag aagcttctnt gagaagctag atccttacct 60
atccacacnc ctctanttaa ctaaattaac ctcttataaa taattatgga tgaaaataac 120
gcaacanata atcaaacacc aaacataatt actaataata tatagatata tatatcaggg 180
tgttatagaa catgcagttt cagcaggaga ctagagcctc aattcagagt ttaacaaatc 240
agatggtgta gatggccacc cagctgaacc aagctcaatc acaaaactct gacaagcgg 300
cttctcaatc tgtccagaat cccanaaatg tgagtgtcat taca 344

<210> 11038
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 11038

ntatcaaattg gatgttaaaa gtgcttttgt aaatggctta attcaagaag tatatgttga 60
acaacctcca ggttttgaaa tatcagataa gccaaatcat gtttatagat tgaaaaaagc 120
tttacctggg ttgaaacaag ccccttaggg catgggtatca acgtctaaga aaatttcttt 180
tagagaaaga tttttctaga ggaaaagtgg ataccacact attcataaag agaaagtatg 240
atgatattct gttggtttta atatgtgttg atgatataat atttggatcc actaatgatt 300
cattgtgcaa ggagttctct cttgatatgc aaagcgaatt tgagatgtca atgggtgggag 360
aactaaatta ctttctatgg ttacaaatca accaaactaa a 401

<210> 11039

<211> 261

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11039

gaacaccgag actatttagt ctcacaaatg caagaactac gtatgtctga gttcctcatc 60
acaaattgag gatacgtagg agcaaaagcc ncgcttttgt cgaccacctc gccttttgct 120
atcgtgacct gtgagaacgg tggcacgcgg aaacaccgga tggttattcg cgcacactat 180
atgctatccc atgacctatg agtccggtgg cacgcggaga caccgatgg gtatccgcgc 240
acactctatg ctatccaatg a 261

<210> 11040

<211> 299

<212> DNA

<213> Glycine max

<400> 11040

atggcactca catttttcgg attctgcaca gtttgtgaag gaaatttgtc agaattttgg 60
gactgagctt ggttcaactg agtagccatc tgcccatct gatttgtcag actctgaatg 120
gaggcttttg tctcttggct gaaatgcata ttctggatgg tcatttgcct cactaactct 180
tctaaggaag gttgaggagg agcctcagtt tcttgttgtc ttttgtgtga ttgctgctgc 240
tgtattggag gaggaacata tggcttgctt ggaccagcaa cattctggaa aggagggac 299

<210> 11041
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11041

tcacctctaa tgagctggtg aagaagaatg tgtgcattta cctgggtgaa aaacaagagc 60
 aagcctttgc tttgctcaaa gaatagctta ctaaggcacc tgttctagct cttcctgact 120
 nttctaaaac tattgagcta gaatgtgatg cctctggagt gggagttgga gctgtattgt 180
 tacaaggtgg gcaccctatt gcttatctta gtgaaaaact tcatagtgcc accctcaact 240
 accccaccta tgataaagag ctntatgcct taataagagc cctncaaact tgggaacatt 300
 accattgttc caggagattg tcattcatag tgatcatcaa tcac 344

<210> 11042
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11042

acagagaaac ttttgaagat agttgaaaag ntttttcaac cactgagtag cacatgagat 60
 tttctcanag cctttttacc aaagaagttt tactctttgg taatcgatta ccagattatt 120
 gtaatcaatt accagtagca gaatggttnt caaaaagctt tcaactaaat ttacaacatt 180
 tcaattgatt tcaaaatggt gtaatcgatt acaatgttgt ggtaatcgat taccagtgtg 240
 cttgagcgtt gaaattcana ttcaaagtgt aagagtcaca tcctttcaca aaaaagattt 300
 gtgtaatcga ttacactgat ttggtaatcg actaccaatg atagtttctg aacaaatcag 360
 aagatgaaca cttacatagt ttgactctt caaatcggtt aagttttcta acgcataact 420
 ttctatggtc tc 432

<210> 11043
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11043

atatatagag acgctcgaaa ttgaacaaca gatgctctct agagatgtaa atggtaaaaa 60
 tttttcactc ggatgttaga ttcaggcaca taatatatcg agacgtttga aattgaacac 120
 taaagctctg gtccaattca aacggccata acttttaaca tgggtgtatg attgacgccc 180
 atgatgtatc gagatgatag aaattgaata acggatgctc tcatgatata cacatgggtca 240
 caagttntca ctctgtatgtc agattcagga acataatata tagagacact cgaaattgaa 300
 cacggaagct ctggtccaaa tcatatggcc taaactattg acatgc 346

<210> 11044
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11044

tcttttagact gggctgttca tgcagtcctc ttagaccctt atctgccact atntcgtcat 60
 gccaaggctc cagaacccca acaggttttg cctattagat gtactcggaa taaacctcaa 120
 tagctncttc cgcaatgtac ctttcaacaa tatatacttc aagacagtgt agattctttg 180
 tatacccttt taagatctcc atgtattgct caatcgggta catccaccac aaataaacgg 240
 gaccgcaacg attaatttct ctaccagat gaacaattaa gtgaaccatg atgtcgaana 300
 acgaaggaga aaaatacatc tccaattgac acaagataat agcaacctca tnttttacct 360
 catctaactt aagaggatca atgactatgc tacatttgac 400

<210> 11045
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 11045

ctaccatcct caactcacgg tcaaactgaa cggaccattc aatccctgga ggaccttttg 60
 aggtcatgtg tcttatagca aaaggggaga gctctctttc attgatagag ttcacttaca 120
 acaacagttt tcaactctacc attggcatgg ctccctatga agctttgtat ggtagaaggt 180
 gtaggacacc tctatgttgg ctaaagccct gagaagacct caccttatga cttgaagtgg 240
 tacatcaaac caccgagaag gtcatgttga tcc 273

<210> 11046
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11046

cttaatcgtc accttattca actggcggga gtctacacac aacctcatgg tcctatcttt 60
 cttctttact aacaacactg gtgctcccat gggagataca ctgggtctca caaactgctt 120
 ctccaaaaac tcctctaact atntcttaag ctgggctaac tctataggag acatcctata 180
 aggcgctatg gatataggtc cagcaccagg taccaggctt atggaaaact ctatctctct 240
 cttgggtggt agaccaaata ttccttagg gaacacttca ngaaactctn ctgacatagg 300
 gagatcacac atggaaacct ttgtctctat ttccaggnta gacaagatca tgtaca 356

<210> 11047
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11047

ataaatagtt ctcgagggtc cgattcaggc gcattatnta tcgagacgct cgtaattgaa 60
 caacggaagc tctcatgaaa ttcattgggtc ataactttta actcggagggt ccgattcaag 120
 cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcaagaa atttaaattg 180
 tcaaaacttt taactctgag gtccgattca ggcgcataat atatcgagac actcgaaatt 240
 gaacaacaga agctcttgag aaattcaaatt ggtcataact tttaactcgg aggtccgatt 300
 caggcgcatt atatatcgag acgctcgaag atgaacaacg gaagctctcg agaaattcaa 360
 ttggtcataa cttttaactc ag 382

<210> 11048
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11048

tggtagaata tgggtgttaa ctatcacctt atattgcatg agtggtttct ttgtgccaac 60

atctcttaaa gaccaactac gaagaataat gaatagcttt tggtaggggtt tgaaatatgc 120
aaattcaaga gaataatttg gttgaattgt gataaaatgt ctatgaaaaa aagagtttgg 180
aggaatggaa ttccgcaact tgcattggatt taatcttgca atgcttggga agctaggggtg 240
gcaatttacc acttataatg atgctaccat gacaaaaatt ctcaaagcaa aatattgccc 300
caatggcgat ttcttggatg cccaactngg gcatagtcca agctatgtat gacatagcat 360
ccatgcttca caggtcctcg ttagaaaagg gtttcaatgg agattagatg atggtgataa 420
aatcaacat 429

<210> 11049
<211> 204
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11049

tatcttaaga aggggggggt tgaattaaga tattccaaac tttctccta attaaaaatc 60
tatcttactn ttacttaag ttatgaattc ccttaatgac aatcttctta aatgttaatt 120
cagatgaagc aaccttgata taaatatata gcaataatta ttaaggaga ttaggggaag 180
agaaaatcaa actcagttta tact 204

<210> 11050
<211> 220
<212> DNA
<213> Glycine max
<400> 11050

gctgatgcaa caattgttag cccgggctat acgagacatc ttgccaaaca aagtcaaggt 60
agcgataact cgctgtgct tttcttcca tgctatatgt agcaaagtca ttgattcagt 120
caagtttgat gagttggaaa atgaggccac aattatactg tgccagttgg agatgtattt 180
tccccctgct ttcttttaca tcttgaatca cttgattatg 220

<210> 11051
<211> 338
<212> DNA
<213> Glycine max
<223> unsure at all n locations

<400> 11051

tggaatgaac aaggaagaaa gatgatctga ggcncactt cgaggagaat atgagtcaag 60
aagaagctca ccaccatacg aagccatgga taaaagcttg aaggtaggag aatatgagtg 120
gagagaaatg gagagaagaa gcacgaaatt ttgtgcctca caagaggtct aaactctgaa 180
gtataattct caaatgatca aagttgaaaa aatacacaca catggcctct atttatagcc 240
taagtgtcac acaaaattgg acggaaatth gaatttctat tcacatttca cttgaattag 300
aaattgaatc tgcggagcca aaatntcact aattatga 338

<210> 11052

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11052

gtcacctgat gcatgcaagc atatacagat cttctagact tgggctgata acatgcagtc 60
ctcttaaacc cttacctccc actttttcgt catgccaagg ctccagaacc ccaacagggt 120
ttgcctatth gatgtactcg gaataaacct caatagcttc ttccgcaatg tacctttcaa 180
caatagatac ttcaggacag tgtagattct ttgtataccc ttttaagatc tccatgtatt 240
gctcaatcgg gtacatccac caaaaataaa cgggaccgca acatttaatt tctctcacca 300
gatgaacaat taagtgaacc atgatgtcga anaacgaagg agaaaaatac atctccaatt 360
gacacaagat aat 373

<210> 11053

<211> 335

<212> DNA

<213> Glycine max

<400> 11053

tagagaaaca tttggcgcca ccgagctcat ccaaaagctc gtcaatgggtg ggaattggaa 60
agcgatcacg aacggtaatg gcattcgggg cacggtagtc gacaaaaaac cgccataacc 120
catcactttt cttactaac aacaccggag aagagaaagg gtcctgctg ggttgatga 180
ggcccttttg gagcatgagg tccacctgac cttctggaaa tgcaggtaac gatacgccg 240
catgttgatc ggagttgatt gtggaagaag gtggatatga tgatcaatgt tgcgctccgg 300

cggtgaagcac catggttggt gaaacaagtg cgtga

335

<210> 11054

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11054

agcttagact aagttcagcc taccatcctc agactgatgg tcaaactgaa cggaccattc 60

aatccctgga ggaccttntg aggtcatgtg tcttagagca aaaggggaga gctttctttc 120

attgatagag ttcacttaca acaacagttt tcaactctacc attggcatgg ctccctatga 180

agctntgtat ggtagaaggt gtaggacacc tctatgttgg ctaaagccct gagaagacct 240

caccttanga cttgaagtgg tacaacaaac caccgagaag gtcaagttga tccaagaaag 300

gatgaggact gctcagagta ngtagaaaag ttatcaggat aagaggagga aagacttgga 360

attcgagggt ggtgatcatg tattcttgag agtcactctg tggactgnng ttggtcgagc 420

attgaaatcc caaaaactaa cacct 445

<210> 11055

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11055

agctgcattc ctctcttccc ttanacttct nttatttatt gctatttatc tnttgctcta 60

aagaagtcta tattgaattg tcttatgagt aattcatgtt aaggggtgcat tgtaaatccg 120

aaaagagaga ctgaaagctt aattgaggaa tagtctttgt atcttaattc gacccttttt 180

tttcttaatg taactgaggt catttgtcca acatcctatt ttgacaact cgcttctcta 240

agaagacaaa cattccggca tgataaaatg aggccacatg aacgtctgta tatttactcg 300

anaacacaat caatcaaag ccctttttct ttatgaacct ctttttggtg tttgatctta 360

tgagattttt tac 373

<210> 11056

<211> 333

<212> DNA
<213> Glycine max

<400> 11056

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tcttcttctt caccgaaaca tgtgaagggc ctaataacag aacaaaattc tctgcctcca 60
tgaacaacat atcttttcgca cttccttcgg tggcgattct tcagcaacat ttctcagggg 120
agggcaataa cgggtgtttac accacggact tccagctgt tcctctgaga gcctttaact 180
acacggggac tccaccgaag aacaccattg tgaaaagagg aaccaaagtg gtggtgatac 240
cctttaacac gaggatgcag ttggtgtcgc aggacactag cattttaagt gcagagagtc 300
atccgttaca tcttcatggg gggccaaggt ttt 333
```

<210> 11057
<211> 342
<212> DNA
<213> Glycine max

<400> 11057

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tatgttgcaa acatctacaa tagacctcct ctacctcagc agcaaaatca gccacaacag 60
aacaattatg acctctccag caacaggtag aatccccggg ggaggaatca tccaacctt 120
agatgggtcaa atccttcaca acagcagcaa caacaacaac aaccttattt tcaaaatgtt 180
gctggcccaa gcagaccata cgttcctcca ccaatccagc aacaacaaca acaacaacaa 240
ccccagaaac aacaaacagt tgaggctcct ccacaacctt cccttgaaga acttgtgagg 300
caaatgacta tgcaaaacat gcagtttcaa aaagatacca ta 342
```

<210> 11058
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11058

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gtcacctgog gcatgccaag ctttctttgt gggttgatgg gttctgtcgc gtataatggc 60
atgatcactg gctaacatat tctcaattag ctcagttgct tcttcggng tcttcagctn 120
ntattttccc cttgaagaag aatctagcag ttgcttggtt tgtggtctca gcccaactat 180
gaacatatte aattgaattg gtcgggaaaa ctcatgggta ggagttcttc tcaatanacc 240
```

tctgaacctc tccaatgctn tactcagaga ttcattangg aactgatgaa atgaagagat 300
 tgtagctntc ctttctgcag tcttagactc tgggaagtat ttcttttagaa acttttcaac 360
 aacttcttcc caggttttta gaatgttacc cttaaagt 398

<210> 11059
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 11059

tgtaatcgac tacacatata cttttatcga ttacccaaac acattttcag aaaatattct 60
 caacagtcac atctttctat gggggacttg aatggctatc aaaggcctat atatatgtga 120
 cttgagacac gaatttgcca agagtttttc agaacaaaaa ggtcttatcc tcttaaaaag 180
 caaaatcggt ttatcctctt acaaattcct tggccaaatt acttgtgatt caataaggaa 240
 ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagattgct tcttctcttc 300
 ttcttcattc tgaaaaggga tta 323

<210> 11060
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 11060

tgggcattat caaaatgaat gttcaacttg ttaagattga gccattatg ctgaattcaa 60
 tgagaaagaa aatgtgttgc ttatggcaca agaatgctcg aaagaaaagg tgtatgatga 120
 gtcaaatgtg gaaatgtggt ttcttgactc tgggtgcagt aaccatatgg ttggaagaaa 180
 agattggtta ttcaattttg atgatagttt cagagatttt gtaaaattgg gtgataactc 240
 caagatgcct gtcattggaa agggaaatct gaagctgtat attggtggat tagttcaggt 300
 ggtaactgag gtttactacc t 321

<210> 11061
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 11061

tcttagtttc agatgacgta gattggttta tggctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg agttggaagc catcttctca attaaatttc 120
 tggcttcaac aggagtcatt tctccaaggg ctccatcact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggacaag aagttgttct gaaatctgat 240
 ggtggggggca actgggacat agtttcttaa atctttgccca atactcatac aggctctctt 300
 cactgagttg tctaatacct gagatatacct 330

<210> 11062

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11062

agcttctcga tatattatgc tcctgaatcg gacattcgtg tganaagtta tgaccattgg 60
 aatntctcga gagctttcga tgttctatct cgagcgtctc gatataattat acacctgaat 120
 cggacttccg tgtgacatgt tatgaccatt ttagtttctc gtgagcttct gttcttcaat 180
 ttaaggcttc tcgatataatt atgtggctga atcggacttc cgttgtaaag ttggaccatc 240
 tgaatgtctg agagcttcgg tgtcattttg agcgtctcgt atattatgcc ctgatcggac 300
 tcttgtgaca gtatgacatt gaa 323

<210> 11063

<211> 337

<212> DNA

<213> Glycine max

<400> 11063

tctatagaag gttcgttcct aatttctcta cagttgcac acctctcaat gacctagtga 60
 agaagaatat ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcacct gttctagctt ttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctgaagtg ggagttggag ctgtattggtt acaagggtggg caccctatctt 240
 cttatttttag tgaaaaactt catagtgccca cccttaacta cccacactat gataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaact 337

<210> 11064
 <211> 334
 <212> DNA
 <213> Glycine max

 <400> 11064

 tatgctgcaa acatttataa tagacccct cagcagcaaa tccaacaaca gtagaataat 60
 tatgatcttt caagcaacag atacaatcca ggttggagaa atcatctaaa tctgagatgg 120
 gcaagtcccc cacaacaaca acagcctgtc cctcctttcc agaatgctgc tagtccaagc 180
 aagccatatg ttcctcctcc aatacagcag cagcaatagc agtagtcaca acaaagacaa 240
 caagcaactg aggctcctcc tcaaccttcc ttataagagt tagtgaggca aatgaccatc 300
 cagaatatgc aatttttagca agagacaaga gcct 334

<210> 11065
 <211> 335
 <212> DNA
 <213> Glycine max

 <400> 11065

 tggagtcaat ttcattttga atgtgttgat ctgtgatatt aaattgttta tttatcagtt 60
 ctttgcactt taaagatfff aactttccaa cctcaatagg tgaaatgaat acatgaaatg 120
 atacaataca tttattgtca actatgcaat gctttacact gaataaaata tttgaatttt 180
 ataaaagata tgcaaggtag agcgctgatt tttttgtaac tttaataggt atgtgtttat 240
 tgtctataaa atatatttac actattttta tattgttatt ataacaataa atttattata 300
 caaaatcaaa atgaatgtta caaataaaaa ataaa 335

<210> 11066
 <211> 324
 <212> DNA
 <213> Glycine max

 <400> 11066

 tatactatat cgagacgctc gaatttaaac atccgaatct cttgagaaat tcaaattggc 60
 gtaacttttt acaccgatgt ccgattcggg cgcataatat gtcgagaagc tgcaaattaa 120
 acaacgaaag ctcttgagaa attcaaattg tcataagttt tgacacggat gtactattta 180
 ggcaaatac atatacgagac gctcaaaatt gaacaacggc agctcctgag aaattcaaatt 240

gctgataaca tttaacgacc cttaaaatgg ccgatgcagg cttatactat accgattctc 300
tcgaaatagc acgacacaag atcc 324

<210> 11067
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11067

agctagaatg ggacctcggg gtngaaagtt atgactcatt gaatttctcg agagcttccg 60
ttattcaatt tcgtacgtct ctatatgtga tgctactgaa tcggacatct gtgtgaaaag 120
ttatgaccat ttgaatttct cgagagcttc tgttggtcaa tttcgagcgt ctcgacatat 180
tatgctcccg aatcgggcat ccgatgaaa aattaagacc cattgaattt ctcgagcgtc 240
tccgatgttt aatatcgagc atctcgatat attataagcc tgaatcggac ctcagtgtga 300
gaagttatga ccatttgaat ttctcgagag cttccgctgt tcaatttcga gcgtgtcgac 360
atattatg 368

<210> 11068
<211> 222
<212> DNA
<213> Glycine max

<400> 11068

aaagacttgg gttggggctg ggaagggcat taatctaatt ttcttgtatt gcaagctttg 60
ttgtagattg aggggtataag acaaaagctt gaacctatct tctgagaaaa gctaattgtac 120
cctttttgca aggatgtgca aaaattgctg taggttaatg ttatagtgtc attgattgaa 180
ctaactgact tttttttgtt attgggattg caggtttggg gt 222

<210> 11069
<211> 334
<212> DNA
<213> Glycine max

<400> 11069

tatcttggtt ttgcataata ctttcttctt gcttatcagc cttatcttga gttcttttgg 60

atccctagct tttacctttt tttcaaacc ccaacaagaa agaactacaa cttaggaacc 120
aacatgtgtc atcattcatc tagtgtaaat ggcgagggtg ctagtcataa ggacccttta 180
tcttgaatct tagatgagtt gagtccctc aagttatgga aagaaaaaat ataaagaaaa 240
aaaaggaaaa gagagggtaa aaacaaatca agatgagagg gaacaaataa gggaagaaga 300
aagaaggaaa atactaaaag agttaagaaa agaa 334

<210> 11070
<211> 363
<212> DNA
<213> Glycine max

<400> 11070

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tactccaaga agattgcgcc agagaatgcc ctatggttct catgagcctt acggtagatt 120
gtgggccccat gggctaagta tgagcccact tatctttgta catattatat gaaggttgta 180
ttatttgtgg gccttatatt gagcgtcca taatgtatgc aggggtaccct ataaatgtaa 240
gatttctcag cctcgtatt ttacgacatc tagactagta tttgtatgaa ggtgagttgt 300
gtaattccac atgcattaca tgaatatttg atgtgtgaga tgagaaataa acttaattga 360
att 363

<210> 11071
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11071

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cctgggactc ttgcatcaca cttgtttccc atcattctac gaactctttc cacatcactc 120
caatgtctat gggaagcata aatgttagac atgactgcat agtttacatt cttctctggc 180
tctatggtga agagctnctc tgcgggccat ttagccagtc ctatatttgc atggagattg 240
caagatgcaa caaatgctcc taatgtatgt gattcagctt ccattggcat tgacctcaag 300
aattcaaaag cctcatttat aagaccgtat cgtccaagaa agtcaacaag gcaggatatag 360
tgacctgaat catgaacaat cttatacaca ctggtcatta agttaagta gtgaagtctc 420

ttagtcacaa tgccacaatg agaacaggca gagagaaca

459

<210> 11072

<211> 325

<212> DNA

<213> Glycine max

<400> 11072

tcagaattca atttcgagcg tttttatgta tttcgagact caatcagaca tccgagtaaa 60

aagttatctg tcccttgaat ctgcttagag cttcaacatt caatttcgag cgtctcgatg 120

tattacggga cttaatcaga catccgagta aaaagttatt gtcgtttgaa tttgctgaga 180

gcttcaacat tcaatttcga ggcctcgat gtattacggg actcaatcag acatccgaga 240

aaatagttat tgtcgcttga atttgctctg aacttcacaa ttttatttcc atcatctcga 300

tattttacgg gactcaatca tacat 325

<210> 11073

<211> 317

<212> DNA

<213> Glycine max

<400> 11073

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attattatct gttttgggcc ccttatctaa gaaatttttt aaacaatatg cagttcactt 120

tctgagtttg gtgctcttgg aattgaattg ggttactcaa tggaaaatcc caattcattg 180

ataatttggg aggctcagtt aggtgatttt gctaattggtg ctcatgtcat attagacaat 240

ttcttggctt ctggggaggc taaatggctg cgtcagactg gtcttgatgt gctactttct 300

catggttatg acggcca 317

<210> 11074

<211> 327

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11074

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atgacaatat caacctcaac anagtagtga gatccatatg tgtatgcccg aaccgtatca 120
atgtgcctta cagccttatg gtggttccag cataggtatg taagtntctg aagatactct 180
ggtgctgctg atcttccac cagggagtta acatttttca acactgtcat tgaccatgtg 240
cgaatggtgt acaaagccag ctgctgtaga tgaattacac ataagctaaa caagttaa 300
ttatacaagt gaccacgtat aaaatga 327

<210> 11075
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11075

gccccagctc ttactccttg attatgcgct aaacttaact caacccttgt ccaagcttgt 60
tttgctncgg ccaccgctat cttcatctct taaaccttat tatatcgatg ataactatgt 120
gggacttgta ccacgttctg accgcggtgg tgccgctcta cgtggcgatg atcctggcct 180
acgggtccgt gaagaggcgg aagaacttca cccctgacca atgcttcggc atacaccgct 240
gtgtggcact attangaaat acactcctat ccttgcactt catcttcacc aacatacctt 300
atgccatgaa 310

<210> 11076
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11076

tgcttaacca ccttntcccg gtgaacgac cttcgacttc tggcgaggca cctccccaag 60
ctgaggaggg atgtgatgct tcaacttcaa ccagcacaaa gagtagtgat gatctgctga 120
tgcctaagga gttagcagca gccaaccatc acattgagag cctttatatg aagagtacca 180
tttcagcttt gcatgttntg cagganattc gaaaggaag ctcaacagtt agcatgttnt 240
cattgccacc attgcagata agtggccttg aagaaacatg gaacaaaatc cctattctgg 300
aaciaacagc caagtaatgt gcttgatata ttgnggattg aaaactagct agtnttagtg 360
gcttgggagt tcacctttat ttattttttt tacttttcaa atct 404

<210> 11077
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11077

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 tgaaattgtg caaaaagtag aagtcatgaa gctagtccaa tttacaatgc agtgaataac 120
 cctacagtta actatagatt ntgtagtact tccttgaaaa tcacattggg tgttttattt 180
 agtggttntc cttctttatc atgaataaga aatttcaatc cagctttgct ctgaactctt 240
 gataatgcca cataaagttg accatgacta anaactgggt gaggaagata taatccaaca 300
 cattgaagag attagccttg agatntattg attgtcatgg catatgacac aataagtggg 360
 aattgtcttc tagtcatctt gaaaggccaa ggagtntgag attgtgataa tgacattcgt 420

<210> 11078
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11078

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 ccctagcctt gcaacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120
 tattgtgagt agcattntga aagacgcctc tgttcctgat gctgagaaag atgttccaac 180
 atcctccacc ccgatgttg ctattcctga tgctgagaaa gatgttccaa catcttccac 240
 tccaaatgct gaagtcctcc cttcaccag tgaagaggaa tcatcagagg aagaggatca 300
 agccacagag gagaccctg caccacgggc a 331

<210> 11079
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11079

agcttgtgcc gaaacactct atggtggngt gctatgtatg ccatagtggc tntagttcag 60

tgatagaagc aatgggtcaat gactgccaac tgggtgctggt gcctttcaag ggtgaccacg 120
 ttttcatggc caaagatttg gaggcagggg tagagggtgaa taggggtgat gaagatgggt 180
 tctttcacia agaggatata ttggaggcat tgaaaactat cattgtgaag gatagcanag 240
 aaccagggaa gcacacaaga gaaaaccaca tgatatgggtg caaggttttg tcaaataagg 300
 aaattcagaa canattcatc acagggtcttg ctgccagtt gaagt 345

<210> 11080
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 11080

tatccaaaca tatectttat ttaagttatg tcttcttatt ctcgtaggac cgtgaatgga 60
 ggcaagctat aactgctgct ggatctggat gcgttgacgc tttatcagtt gagagatatc 120
 ttgtgagcaa tgatcttctt atagagttcc atcagggtatt tgacttctaa gaactcctat 180
 tttgttttcg cttatcggtc tttagggtatc tgacactgta aattgagcgt acacatcaca 240
 ttaccaatct actgcatctc tattatatgt cttaattctt gtacatttgc acagaatcag 300
 atgcaacttt agcaagattt gcttg 325

<210> 11081
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11081

tgacctctat caacgataga aaactctccc aactcctcta ttgctctaag acacacgccc 60
 tcaaaagggtg cttcagcgac tacatgggtcc attcaatttg gccatcagtc cgaggatgggt 120
 atgctaaact tagtctaagc attggcccca acgctctggt cangtcccc caaatctag 180
 aggtaaacct aggatctcta tcagacacta tgctagatgg cacaccatgt aatctgacag 240
 tctcactaat atacagggan ggcaactctt ccaaagaaaa tgtgatatta atgggaat 298

<210> 11082
 <211> 363
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11082

gcttctaaac tntgtacaag aatgaagctc tgatactcac ttgttagaca agtggcctca 60
gatatcttaa gaaggggggg ttgaattaag atattccaaa cttttctcct aattaaaaat 120
ctatcttact ttntacttaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
tcaaatagaag caacttgaat tatgaatata aagcaataat aaataaagga gattaaggga 240
agagaaaatg caaactcagt tntatactgg ttcggccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccgcttgag agttccacta acttgtaaat tccttttaca agttctaaac 360
aca 363

<210> 11083

<211> 333

<212> DNA

<213> Glycine max

<400> 11083

tcatgagaga gtcatagatc aaattgagag gtataataat ttctatgcta aacaagccat 60
caaagggaga aagaagggtg tcttcgaacc cggagattgg gtttgggtgc acatgagaaa 120
agaaagggtt ccggaacaga ggaaatcaaa gcttcaacca gggggagatg gaccatttca 180
agtgttgaa agaatacatg acaatgctta caaagttgag ctgcccgtg agtataatgt 240
tagttccacc ttcaatgtct ctgatttatc tctttttgat gcatatggag aatccgattt 300
gaggacaaat ccttctcaag aggagagaa tga 333

<210> 11084

<211> 336

<212> DNA

<213> Glycine max

<400> 11084

tgaaggtaaa ctagacgcct tggttaacct ggtaacccaa ctggccatga ataagaaatc 60
tatacctgtc gcaagactct gtggtttatg ctctctgcc gaccaccata cagacctttg 120
cccttttgtg cagcaatctg gagcaattga acagcctgaa gcatatgttg caaacatcta 180
caatagacct cctcaacctc agcagcgaaa tcaaccacaa tagaacaatt atgacctctc 240

caacaacaaa tacaatccca gatggaggaa tcaccctaata ctcagatggt ctagccctaa 300
acaacaacaa cagcaacctg ctccttcctt acaaaa 336

<210> 11085
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11085

gagaacaatg acaattgaag aatcaattca tgtttccttn tatgagtcta atgctatttc 60
tctaataaag gatatttttag atgatattac agaatcttta gaacaaatgc acattcatgg 120
acaagattct aaaggaaaag gagaaggaaa caataaagat cttcagcag aagtcaaagc 180
aaataatgat cttccaagag agtggaaagc ttcaagagat catccccttg acaacattct 240
tgggtggcatc tcaaaagggg taacaactag acattctctt aaagatntat gcaataatat 300
ggcttttgtg tctatggctg aacctacaaa tataaatgaa gccataatag atgatcattg 360
gatagttgct atg 373

<210> 11086
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11086

tcacctgcgg catgcaagct tctccacagg acatatactn ntgtgtttac catccttgca 60
atgaggcatt tgaggagttg aggaagaagt ttaccacctc tcctatcttg tagccactag 120
attgggagct tccttttgtg ctcagtgcg atgcctctag ccatgcactt ggggatattt 180
tgtcattgag agttggtagc ctctcccaca tcatngctta tggttcatgc actntagatg 240
caacctaaatg taactacacc accactgaga aggagctntt agctattata tttgcttttag 300
ataaattcat atcttatttt ctttgcctcc atatgatngt cntactgaa catgcagctt 360
tgatatactt attgaagatg cctgatgcta aacctatatt gatcaagtga aagc 414

<210> 11087
<211> 400

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11087

ngctctcata acacttactt aaagtagcta tgtnattata taagttcaaa taagctggac 60
atataaactc ttccagtgc tattatcagc aaagactcac ttgngggtaa catgcaacat 120
gtaagaggggt atgcatataa agcatactac ctcagactag accatcatat aaacccatgc 180
atgcatacct tgcaatttct gctcgtcttc tagcctcttc agccatctga ttaagttctg 240
tgtaacttgt acgttcattg aacatcttag gctctggtgg gcgaaagccg tgaagcgctc 300
tctgtgcatg tgcccattta agttcacgtt ctctctattc aaaatctatn ttccttgtag 360
aagcaatctg acacagaatt catattacag agtaagcaac 400

<210> 11088
<211> 333
<212> DNA
<213> Glycine max

<400> 11088

tgaaggaaaa ctggatgcat tggttaactt gttaacccat ctggccttga atcagaaatc 60
tatacctggt gcaaggtttg tggtttgtgc tcctctgctg accaccatac agacctttgc 120
ccttccatgc agcaacctgg agcgattgag cagcctgaag cttatgctgc aaatatttac 180
aatagacctc ctcaacctca gcagcaaaat caaccacagc agaaaaatta tgacctctcc 240
agcaacagat acaacctggt atggaggaat caccctaacc tcagatggtc cagccctcag 300
caacaacaac agcagcctgc tccttccttc caa 333

<210> 11089
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11089

agcttatgct gcanacatct acaatagacc tcctctacct cagcagcaaa atcagccaca 60
acagaataac tatgacctat ccagcaacag gtacaatccc ggatggagga atcatcccaa 120
ccttggatgg tcgaatcctt aacaacagta gcaacaacaa caaccttatt ttcaaaatgt 180

tggttgccca accagaccat acgttccttc accaatccaa caacaacaac aacogcaaca 240
 gccccagaaa tagcaaacag ttgagacccc tccgcaaccc ttccttgaag aacttatgag 300
 gaaaatgact attgcaaaca tgcagtttca acaagagacc agagcctcca ttcagagctt 360
 aactaatcag atgggacagt tggatg 386

<210> 11090
 <211> 197
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11090

tgtcacacac aatggagggn aatntgaatc tcaattcann attcacttga atctganatt 60
 gaatttgtgg agccaacact tggagccaan atttactaa ttatgattag tgggaatttag 120
 ttatggttca gccactaat ccaagatcaa ttccaagatt ctccactaag tgtgcttagg 180
 tgatcatgagt aggggtg 197

<210> 11091
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11091

ctaccaacta cagaccctaa gaaaactata ttatctacac agaaagtaca cttctctata 60
 tttgcataga ggggtgttctt cctaaggact ganagaactt gcctgagatg tcctaagtga 120
 tcattctacgc tctactgta cactaaaata tcatcaaat atacaactac taatctacct 180
 atgaaatccc tcaagacatg atgcataagc ctcat 215

<210> 11092
 <211> 211
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11092

cgatggcctc aataacatct attctccaca tggaanaagg ccaaggagcg gacataacgt 60

tcagaggatg tggcggaaca tcgacattgt ccgcgtatgc tngacantta tgacacttcc 120
 ttacatgagc gcagcaatcg ctttccatgg tgagccaata ataaccggcc ctaanggatt 180
 ntctgggtcat agcatgccca ttggcatatg t 211

<210> 11093
 <211> 174
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11093

atgatctttc aagcaacaga tacaatccat gttggagaaa tcatccaaat ctgagatggg 60
 caagtccctcc acaacaacaa tagcctgtcc ctcttttcta gaatgctgct ggtccaagca 120
 agccatatgt tcctccaata caaaagtagt cacaacanag acaacaagca actg 174

<210> 11094
 <211> 313
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11094

atcgctatga atactatatt gttgacatga tactacgtaa gngaacttca tgtcagctaa 60
 tgaatggcat tgtgtccaca gtgaccgctc accagttgta ctctccatgc tctctagtcc 120
 tgcagccttg taacctctca ttaattctgt gaagtganat gacaatatta agctcagcca 180
 ataatagata agggaatgat ctctctntct ctctntcaat gagatttccg caatatacct 240
 tcaccttttg ccatatcaag aaaagcctgt agctccaatg cttgtcggat atacatcatt 300
 cctcggactt cac 313

<210> 11095
 <211> 399
 <212> DNA
 <213> Glycine max
 <400> 11095

atacagtatt ccattataag tactcttatg caaaccatac agttaatatc ttgtatatat 60
 attgatacaa cataagtga tgaatgacaa tttaaattaa taatacatat taaacaataa 120

acgccatata tatatatattca cgtaattgtg taaataattg attacattat atctgtaaaa 180
 atttttagaaa tcatttaacg tgaaggagta tatataaata tacaatatat gtgtatgata 240
 tgtacaataa aatgcaaaga gattgtgtac ttacataata taaagatgat ttaaattccta 300
 aaatttttaa atttatatat cagaataaag ttctatcact ctcttattta atgtattgaa 360
 atcttaaatt tatgaatgat tattaataaag ttccttatt 399

<210> 11096
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11096

tcaatcaata gacctctaatt cttaaatgga gaggtgtacc actactggaa aacccgaatg 60
 caaattttta ttgaggcaat agacttacat ttgggaaggc atagaaatat ggccttatat 120
 acccaccaca gtagaaagaa ccacaataga tggaagcaca acaagtggaa gcaccacaat 180
 agagaaacct atagatagat ggtctgaaga ggatagaaga tgagtacgat ataatttaaa 240
 agccaaaaac ataattacat ctgccctgng aatggatgaa tattttangg tttcaaattg 300
 taagagtgtc aaggaaatgt gggacactct acaagtaaca catgaaggca caacagatgt 360
 taaaagatct aggataaaga cattaactca tgaatatgaa c 401

<210> 11097
 <211> 296
 <212> DNA
 <213> Glycine max

<400> 11097

agctttacta ataaaacatt tttcatgatt tgatgtttta tctaaaatta tcatgtatac 60
 gttatttggt ctatagccta tatgttttat atttttatca tgtttatttt caataacaca 120
 attatgagag tcaaatgata ctacaaagcc tttatcacat aattgactaa cacttagtag 180
 actatgctta agaccatcaa caagtagaac attttcaatg gaagtagatg gattcgtacc 240
 tatttttctg actccaagaa ttctaccttt ggtgttgacg ccataagtca catgtt 296

<210> 11098
 <211> 315

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11098

tcttcnggat tataattgat gttatctcgc aacctttctt ctatgaaact cacaatccaa 60
tcaacagaag cctgatgggtg cccattgttt gcatttctcc cacatgtatg tgtaccatca 120
atactgctaa taaaaaatgc tggggcatta tggagcttga cagcacgaat ccgccatgga 180
cagccatctg aggcacactt agcaaagtag cgaatcaggt cactcttaat agtacgaagc 240
tcaaaatgct gtgcaaaggc agcttcttta attgcattcc gaaatgcctt cacatcatgg 300
aactcttgac cgaca 315

<210> 11099
<211> 293
<212> DNA
<213> Glycine max

<400> 11099

agctttaaaa tgattatgga ttgattggca gatagtcaag tcaataatat catatcgaaa 60
ttgatagctg ctcatgaaaa agatgggtcat gtatacaata tcccaaagt tccatgaagt 120
gctgcactta ttgttgatga ttttgatcca agctcaaaaa gagatattat tgttgaaact 180
caaaatggag aactacaaag aatccatgaa ttgcactcta gctatctaag cctacagtac 240
cctctactct tcccttatgg tgaaaatgga tataaagctg acatacttta ccg 293

<210> 11100
<211> 287
<212> DNA
<213> Glycine max

<400> 11100

agcttgtgaa tgtatatctt tcatttccaa cttgcaagta aggtcttgaa gttgctccgt 60
gggaagtcct tggttaaggga tgtattcggg ggctataaga ccactgtcta attttctctt 120
aataaaatgt cgattaatct ctatgtgctt tgttcgatca tgttgaactg gattgtgtgc 180
aatgctgatg gcaaacttat tatcaciaac cagtcacata ggaacttcat attttatttt 240
gaggatcatca agtatgatat tcatccataa caacttacia acacctt 287

<210> 11101
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11101

aagaattaaa aagtacatcg tctacaaatt cgagattgac aaggaatatt ggggatttta 60
 aaaaatagga gaaagaaaat tacatcttag tcaaataaac taatgagggt atgctctata 120
 ttcatntttc ataattatcg taattagatt ctttaacttt ctaatgagac ttcgagatat 180
 ttccacaaac ttcaattttt taggtcaatt atgagactaa atgatctata tattaatatt 240
 ataaataatc ttttacattt ttatctaata aaaaattaac aagtataata aatatatcaa 300
 tctttaaat aatcattttt atgacattct aaaataatac tttaaaaaac atgtaaacta 360
 ttgattctta ttnggagatn tatgtaaaat taactatgta cagaatanan actctttaca 420

<210> 11102
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 11102

agcttctaaa ctttgtacat gaatgaagct ctgataccac ttgttagaca agtggcctca 60
 gatattctaa gaaggggggt tgaattaaga tattccaaac tgtttcccct aattaaaaat 120
 ctatttcact ttttactcaa gttatgaatt cccttaatga caatcttctt aaatattaat 180
 tcaaacgaag caacttgaat atgaatataa agcaataata aataaaggag attaagggaa 240
 gagaaaatgc aaactcagtt ttatactggt tcggccacac ccttgtgcct acgtccagtc 300
 cccaagcaa 309

<210> 11103
 <211> 305
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11103

agctttgatg gtgtcgagat taaattacat gtttgncatc gtaaaaaagg ggtagaatgt 60

gaatgtatgt atacatgatt ttgttagtgc ttagctttac tgagctttaa aagattggct 120
 aaaattttgt taaaacataa gcacttatac aatgaaggaa agctggagtt gctgcacatg 180
 atgtccaacg ttatgtcaag gaatcagatc gggctgcaca atgcacaagg caagatataa 240
 tgtcaaatga agaattgaag ctgcaggatc cagcatgtcg gatacaatgt ccaggacatc 300
 ctgcc 305

<210> 11104
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11104

tcttagtttc agatgatgca gatgggtntg tagctacctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg agttggaggc catcttctca attaaatttc 120
 tgacttcagc aagagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
 tctccatatt actgagtcct tcataaaaat attggagaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggctctctc 300
 cactgagttg tctaatacct gagatatacct tcttgatggc tgtggtcctg gaagcaggga 360
 aaaatttctc taagaatact ctcttaaggt catcccagct tgtgatggac cttg 414

<210> 11105
 <211> 208
 <212> DNA
 <213> Glycine max

<400> 11105

agcttgcaac ataatctgat tggtgattat cttggagtct tgggtggttag gccatgaaaa 60
 cctatttaga gagacttcct tggagaaagg cattgttgaa atccaattga tgcatttgcc 120
 aacatttggt caaagccagt gtgagtataa attttatagt ttgcgggtctt acaactagt 180
 taaaggctca ttgaaatct acactaaa 208

<210> 11106
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 11106

ccagtccttg agaaactggg tcccagaaga caacgtgtag tattgattgc tcgaaaccct 60
agccttgtag caagtgttag ggaagtacac acgggtgatg acgagaaaat ccgcggtatt 120
gtgagtagca ttttgaaaga cgcttctgtg cctgatgctg ataaagatgt ttcaacatct 180
ttcaccccaa atgttgctgt gcctgatgtt gataaagatg tttcaacatc ttccgctcca 240
aatgctgaag cccttccttg acccagtga gaggaatcaa cagaagaaga tgatctagcc 300
tcagatgaga cccctgcacc actggcacca gaacctgctc cacgtgatct cattgactta 360
gaagaagtct aatctgat 378

<210> 11107

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11107

ctatgctctt gtgtggtgga tctagctaca aaaggagaga gcaagaaatg aagagccaat 60
ggttgatata tggacagaga tgaaaaagat catgaggaag cgatatgtgc cggctagtta 120
ctcaaggagc ttgaaattca agctccaaaa actaacccaa ggcaacaagg gggttgagga 180
gtatttcaag gaaatggatg tggatcatgat tcaagcaaag attgaagaag atgaggaggt 240
aactatggct cgatttctta atggcttgac taatgatatc cngatattg ttgagctaca 300
ggagtttatt gaaatggatg atttgcttca caaagcaatc caagtagagc aacaattaan 360
aaggaaagga gtggctaaga ggagtntac caactttgctg ttcttctagt ggaaagacaa 420
aggtaagaaa gatggggctg ctacttctag tagttcctca ccta 464

<210> 11108

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11108

atgccttggt taacctggtg acccaactga ccatgaataa aanatctaca cctgtcgcca 60
tactctgtgg tttatgttca tctgtcgacc accacacaga cctttgcctt tctgtgcaac 120

aatctgaagc aattgaacaa cctgaagctt atgctgcaaa catctacaat agacctctc 180
gacctcagca gcaaaatcag ccacaacaga acaattatga cctctccagc aacagggtaca 240
atcctaggta gaggaatcat cccaacctta gatggtcgaa tccttcacaa caggagcaac 300
aacaacaaca gccttatntt cagaatgttg ctggcccaag caaaccatac gttcctccac 360
caatccagca gcaacaacag caacagcccc agaaacaaca aacagtacag ggctctccac 420
aaccttcctt tgaagaactt gtgaggcana tgactatgca naacatgcag tntcaacaag 480

<210> 11109

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11109

agcttgaagg taaactanat gccttgggtta accaggtaac ccaactggcc atgaataaaa 60
aatctgcacc tgtcgccagt ctctatggtt tatgctctc tgtcgaccac cacacagacc 120
tttgcctttt tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gctgcaacaa 180
tctacaacag acctcctcaa cctcaacagc aaaatcagcc acaacagaat aattatgacc 240
tctccagcaa caggtacaat ctcggatgga ggaatcattc caaccttaga tgggtccaat 299

<210> 11110

<211> 323

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11110

actcgtcaac gagaaaggta acgtagggtg ggtattatth ccacacataa acgcactctg 60
gccttagata gagattctgt tgggaattcc tctgaaagta aggccttcct cactggtagg 120
aagaagcaca gtataaggca tctgaaccgg tccattacag attctaaggc ttgaatctnt 180
gttcctcgaa ttgattttgg cctcaatttc cttcagcttg gttccaaact tttcaaaggc 240
ttgaattgcc ttttgggtcat cactccaatc gtcactgtcc ctctttccaa cgtagatatc 300
atcacaagca tgtcttgaca ata 323

<210> 11111
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11111

tactcagctc agcaactctt tctttntggt tagtcaagac ctctaattgct cttaatctct 60
 cctcatctaa atcaaccaac tcatctaaca tcattgtcca ataatgggtcg attggaatgt 120
 ccattagttt ttgtaccctg gctgattgca aatgtatttc gaccggaagt acagcatcat 180
 gcccataact cagtcgaaat ggagtagtat tagttgattc cttatgagaa tttctacatg 240
 cccatagaac ttgatctaac gttntattcc aatttccttg ctattgggca atgtgttttt 300
 taatcaagtt aattacaatc ttattggctg cttcgacctg accaattgct tgcgcgtaat 360
 atgggtgttg ggttcataat cgaaagccaa tattgtgggc aaatactttc atttttcgtg 420
 cagctaatac tgaacctaga tcagt 445

<210> 11112
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11112

cgccaccacg gagttntcca actatgctct tgtgtgtgtg gaacaagcta caaaaggaga 60
 gagcaagaaa tgaagagcca atggttgata catggacaga gatgaagaag atcatgagga 120
 agcgatatgt gccggctagt tactcaaggg acttgaaatt caagctccaa aaactaacc 180
 aaggcaacaa ggggggttgag gagtatttca aggaaatgga tgtgggtcatg attcaagcaa 240
 agattgaaga agatgacgag gtaactatgg ctcgattctt aatgggtcac taatgatatc 300
 cgcgatattg ttgactacac gagtgtattg aaatggat 338

<210> 11113
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11113

atgccc 306

<210> 11116

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11116

agcttgaagg taaactanat tcctttttta acctggtaac ccagctggcc ttgaatcaaa 60

aatctgcacc tgtcgccaga ctctgtggtt tatgctctc tgccgaccac cacacagacc 120

ttttcccttt tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gctgcanaca 180

tctacaatag accttctcaa cctcagcagc caaatcagcc acaatagaac aactatgacc 240

ccccagcaa tagggaaaat cccgggtgga agaatcatcc caaccttaaa tggggccaatc 300

cttcac 306

<210> 11117

<211> 297

<212> DNA

<213> Glycine max

<400> 11117

agctttcttg agagtgcttc tttgagaagt taacgcttta actaccaata cacttctaata 60

aactaaactc acctccttga aaataaaaca tggataaaat aacacaacaa atataattaa 120

acatcaaata taattactaa taatatttca gggtgcaaca cccttctcta cctctatctc 180

cactcatctt ctctacctt taagctctta tccatggctt cctatgggtg tgaaaatggt 240

cttggctaata cttcttcttg aagaggcgtc ttccaacacc ttttctactt cttcaat 297

<210> 11118

<211> 303

<212> DNA

<213> Glycine max

<400> 11118

agcttatgct gcaaactct acaatagacc tcctcaacct cagcagcaaa atcagccaca 60

atagaacaat tatgacctct ccagcaacag gtacaatccc gggttgagga atcatcccaa 120

ccttagatgg tcgaatcctt cacaacagca gcaacaacaa caacagcctt attttcaaaa 180

tgttgctggc ccaagcagac catatgttcc tacaccaatc caacagcaac agccctagaa 240
acagcaaata gttgaggctc ctccacaacc ttcccttgaa gaacttgtgt ggcaaatgac 300
tat 303

<210> 11119
<211> 281
<212> DNA
<213> Glycine max

<400> 11119
agctcgggta cactaggatt tctcttttcta tcttgaaacc tcaagactcc atcagttccc 60
actctaaaac tactctctct ccttgcgact atggactcta actgggctga caagaatggg 120
gcaaactttt gaccctcacg gatctcgctc aagagttcgc tggcgactct caacataccc 180
aacttaatgc ctctagaggt gaactcacat gccatactca tgtctctaaa ctgctctaag 240
aggtccaact ctttaaccat catagcagac atttgaaggg a 281

<210> 11120
<211> 294
<212> DNA
<213> Glycine max

<400> 11120
agcttactaa ggcacctgtt ttatcttttc ctgacttttc taaaactttt gagctacaat 60
gtgatgcctc tggagtggga gttgcagctg tattgttaca aggtgggcac cctattgctt 120
attttagtga aaaacttcat agtgccaccc tcaactaccc catctatgat aaatagcttt 180
atgccttaat aagagccctc caaacttggg aacattacct tgtttccaag gaatttgtca 240
ttcatagtga tcatcaatca cttaagtaca ttagagggga aagcaagtta aaca 294

<210> 11121
<211> 310
<212> DNA
<213> Glycine max

<400> 11121
tcagcttctg tgtcctatga ccataaggct atcattatca atggacagag aaggatactt 60
ctttctgggt ccattcacta cccagaagc acccctgagg tattacactc aaatgtattt 120

caggtttctt tccattttgg cctttttttt tttttatcaa atgggcacct taaagtatct 180
tccttttttc agatgtggcc agatcttatt cataaggcaa aggaaggagg tttggatgtc 240
attcaaactt atgttttctg gaatggacat aaaccttcac ctggcaaaga aatgaataat 300
gtttgcttgc 310

<210> 11122
<211> 372
<212> DNA
<213> Glycine max

<400> 11122

ctaagctttg agccattcaa acaacaataa ctttttactc gttgtttgat atagtcccg 60
gatataacga tacgctcgaa attgactgtt gaagctctga cctgaccta actatcatat 120
gcaatgactc ggatgtctga ttgaggcccg ttatatatcg agacgctcga aattgaatgt 180
ggaagctctg agccaattca aacgacaata actttttaca cggatgtctg attgagtccc 240
gtcatatatc gagacgctcg aaattgaatg ttgaatctct gagccaattc aaacgacaat 300
aactttttac tcggatgtct gattgaggcc cgtcgtatat cgagacgctc gaaattgaat 360
gttgaagctc tg 372

<210> 11123
<211> 345
<212> DNA
<213> Glycine max

<400> 11123

agcttcaaca ttcaatttcg agcgtctcta tatgtgacga gagtcaatca gacatccaag 60
taaaaagtta ttgtcgtttg aattggctca gagcttcaac attcaatttc gagcgtcttg 120
atatattacg agactcaatc agacatccga gtaaaaagtt attgtccttt gaatttgctc 180
acagcttcaa cattcaattt tgagcgtctc gatatatgac gggactcaat cagacatccg 240
agtataaagt tattgtcgtt tgaattagct cagagcttca acattcaatt tcgagcgtct 300
cgatatgtga cgagactcaa tcagacatcc gagtaaaaag ttatt 345

<210> 11124
<211> 281

<212> DNA
 <213> Glycine max
 <400> 11124

```

agctctgtct tctttggatg cttacttgtg gcaatatttc attaataatg agatggattc 60
tttagaatct aacaaaaccg ggcatttagt agacttgcct cctggctgca aaccaattat 120
atgtgaaatc attgttgaga aacaactttg atatgaaaga ccttagagaa gcatgtgtaa 180
tccttggtat taagattact aggtcaaaag aggaaattta tatgaatcaa tctcactaca 240
ttgagaagat cttaaagaaa tagattactt tgaactgtaa a 281

```

<210> 11125
 <211> 337
 <212> DNA
 <213> Glycine max
 <400> 11125

```

agcttgtaat cgattacaca agtatgggat ttccagaaaa taatttcaa gagtcacatc 60
tattcaaatg gtttatgaat ggccatcaaa ggtgacttgg aaacacgaat taaaagaaaa 120
ttttcattgc caaaaagtt ttatcctctc aaaagaaaaa tttttctgaa ctgaaatgtc 180
ttatcctctc aaaaagattc cttggtcaac cacttgtata ttcaataagg aattttgatt 240
gatcttcatt gtacaatcta tctcttttaa gagagatttc ttcttttctt cttcttattt 300
ctgaaaaggg attaagagac cgtgggtctc ttgttgt 337

```

<210> 11126
 <211> 337
 <212> DNA
 <213> Glycine max
 <400> 11126

```

tgaaattgaa caacagaagc tcacgagaaa ctacatatgg tcataacatg tcacacgaaa 60
gtccgattca ggtgcataat atatcgagac gctcgaaata gaacatcgga agctctcgag 120
aaattccaat ggtcataact ttccacacgg aagtcctatt caggcgcata atatatcgag 180
aagctggaag ttgaacaacg aaagctctcg agaaactcaa atggtcataa cttgtcacac 240
ggacatccga ttcaggcgca taatatatcg agacgctcga aattgaacaa cgtatgggtg 300
cgagaaattc aaatggtcac aacttgtcac acggaag 337

```

<210> 11127
 <211> 331
 <212> DNA
 <213> Glycine max

 <400> 11127

 agcttgaatt tgaactacag aagctcttga gaaattcaaa tggtcataac ttatcacacg 60
 gaagtccgat tcaggtgcat aatatatcga gaccctcgaa attgcacaac ggaagccctc 120
 aagaaagtca aatggtgata acttttcaaa cggaagtccg attcaggtgc ataatatatc 180
 gagaaacttg aaattgaaca atggaagctc tcgagaaatt caaatggtca taacttatga 240
 cacagaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaaagc 300
 tctcgagaaa ttcaagtggc cataactttt c 331

<210> 11128
 <211> 366
 <212> DNA
 <213> Glycine max

 <400> 11128

 ttactatgca aagaataacc aaggaaaatt ctttcatctg acttagcatc aaactttcct 60
 aagctttctt ttccattggt taatacaaaa cacttgcaac caaaaacatg aagatgagag 120
 atgtttgggt tcctaccatt gaatagttca tatggagttt tctttaaaat tggattatt 180
 aaagccctat tcatgatata gcatgcagta ttagcggctt cagcccaaaa atattttgga 240
 agaggagtat catttaataa ggatctagca atttcttcta aagacctatt tttcctttca 300
 acaactccat tttgttgagg ggttctaagt gcagaaaagt tatgttcaat gtcatgctta 360
 tcacaa 366

<210> 11129
 <211> 374
 <212> DNA
 <213> Glycine max

 <400> 11129

 cttgcgtgca cgactttctt atcttcaaag ttattttatt agtcatatt ataaaatgac 60
 atacaaacat atgagtcag ctagctatct taaacaatat gaaacttaat tttttgtgat 120

agccttcaaa ctacaacaat gattattatc ttctttttta acaaacttat atttttttat 180
tacaacgtag ctaatgtggt ttatgttgaa ttcaaatttc taatatcaat ttttaggatg 240
ttttagattt taaagatact atccaatctt tttaagatgt ttattttaga aattaatgtg 300
ttttttatgt taagtttatg atttggtata aaatagaggt tttataaaaa aaattatcaa 360
gcatggaata gata 374

<210> 11130
<211> 331
<212> DNA
<213> Glycine max

<400> 11130

agcttagaca attacatatc cttcttcttt gatacaacta attcaaaata atctatttca 60
tgggtctacc aatgaagacc cttatgctca cttggccatc tatatagaga tatgcaatat 120
tatcagggtg gtgggtgtgc ctgcggatgc aatcagggtg agtctgttct cattttcttt 180
atctggagaa gctaagagat ggcttcattc ttttaaagga aacaatctga agtcatggga 240
tgaagtagta gaaaagttct taaagaagta cttccttgaa tcgaagacta cagaaggcaa 300
agctgccata tcttttttcc accagttacc a 331

<210> 11131
<211> 349
<212> DNA
<213> Glycine max

<400> 11131

actcaagctt caccatgtaa gcagagcata aaatattatg tttctgtaag agaaaaatat 60
atacagaaga atttcttgaa ctcttaccaa tcagtttttc atcactttat gaagaaaatc 120
ataactgtac agcaaaaaaa attctattat cctctatca atcccttgcc ttctatattc 180
tttttattag agattctatt gatgcttgga ttctacttcc ttctgtttgc ctactgcct 240
gagatgcctc atgcagatgc tgaatccac gacctaaact agcaatggag ggggctgcag 300
ggagagactc aacagcacac tcaatcccat caccatacaa aagcagctt 349

<210> 11132
<211> 319

<212> DNA
<213> Glycine max

<400> 11132

agcttatttta ttcaatttcg agcgtctcga tatattacga gtctcaatca aacatccgag 60
aaaaaagtta ttgtcgtttg aatttgctca gaggttcaac attcaatttc gagcgtctcg 120
ttatattaca ggactcaatc agacatccga gtaaaaagtt agtgtcgttt gaattggctc 180
agagcttcaa cattcaattt cgagcgtctc gatgtatgac aggactcaat cagacgtccg 240
agtaaaaagt tattgtcgtt tgaattatct cacaggttct acattcaatt tcgagcgtct 300
cgatatattt caggactca 319

<210> 11133
<211> 340
<212> DNA
<213> Glycine max

<400> 11133

tcgaagccat tgaaccacc caaaagggag cgttgtcgta gaagactcaa tcgggtttgg 60
aagattcgag aaaacgtttc agcgttctt ggagaacgtc gtaggcttct ttgaggtgtt 120
caaagacgtc gtaggggatg tcagtgttgg cttctgcgtt ttctggaagg ttttgactt 180
taggcagtgg aaggttcacg aaattgatat caagtgtgtt tagtgacggt tttggaagac 240
gctctatgtt tcttggttgg atacgaaact cacgtggtga cccttttgag caatgagttt 300
ggccagctca aggtttggga tcatgtgacc aaaggctagc 340

<210> 11134
<211> 333
<212> DNA
<213> Glycine max

<400> 11134

agcttgaagg caaactggat gcattggtta acttggtaac ccaactggcc ttgaatcaga 60
aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcaga tggtcagcc 300

ctcaacaaca acaacaacag catgctcctt cct

333

<210> 11135

<211> 331

<212> DNA

<213> Glycine max

<400> 11135

agcttatggt gcaatcattt gtaatagact ccatcagcag caaaaccaac aacaacaaaa 60

taattatgac ctttcaagaa atagatacaa tccagggttg aggaatcatc caaatctgag 120

atggacaagt cctccacaac aacaacagcc tgteccctct tttcagaatg ctgctggtcc 180

aagcaagcca tatgttcctc ctccaatgca gcaacagcag caacaatcac aacaaagaca 240

acaagcaact gaggctcctc ctcaaccttc cttagaagag ttagtgaggc aaatgaccat 300

ccagaatatg caatttcaac aagagacaag a 331

<210> 11136

<211> 321

<212> DNA

<213> Glycine max

<400> 11136

agcttaatag agctcattat ggtctcaagc aggccccag gcaatggttt gaaaggcttc 60

agactacctt acttcagttt gggtttgttg caagtaaagtg tgatctctct ctgttcattt 120

acaagaccaa gtctcacact gtatatctcc ttgtgtatgt tgatgatatt ataattactg 180

gaagttctat tcctttaatt caacatctta cctctcagtt gaactcaaaa ttctctctca 240

aacagcttgg tttgttaaga ttattttctt ggaatagagg tgaagactct ggccgacaaa 300

tcaatactgc ttactcaaag c 321

<210> 11137

<211> 366

<212> DNA

<213> Glycine max

<400> 11137

tctaagcttt gagcaaattc aaacgacaat aactttttac tcggatgtct gattgagtcc 60

cgttatatat cgagacgctc gaaatggaat accgaagctc tgagcaaatt caaacgacaa 120

taacttttta ctcggatgtc agattgagtc ccgtaatata tcgagacgct cgaaatggaa 180
taccgaagct ctgagcaaatt tcaaacgaca ataacttttt actcggatgt ctgattgagt 240
cccgtaatat atcgagacgc tcgaaattga ataccgaagc cctgagcaaa ttcaaacgac 300
aataactttt tactcggatg tctgattgag tcccgtata tatcgagacg ctcgaaattg 360
aatacc 366

<210> 11138
<211> 342
<212> DNA
<213> Glycine max

<400> 11138

agcttctaca ttcaatttcg agtcttttcg atatattacg ggactcaatc ggacatccga 60
gtaaaaagtt attgtagttt gaatttgctc agggcttcgg tattccattt cgagcgtctc 120
gatatattac gggactcaat cggacatcag agtaaaaagt tattgttggt tgaatttgct 180
cagagcttcg gtattccatt tcgagcatct cgatatatta cgggactcaa tcagacatcc 240
gagtaaaaag ttattgtagt ttgaatttgc tcagggttc ggtattccat ttcgagcgtc 300
tcgatgtatt acgggactca atcagacatc cgagtaaaaa gt 342

<210> 11139
<211> 366
<212> DNA
<213> Glycine max

<400> 11139

tcaacattca acttcgagcg tctcgttata ttatttttct caattagaca tccgagtaaa 60
aagttattgt cgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtctccatat 120
attacgggac tcaatcagac atccgagtaa aacgttattg gtgtttgaat ttgctcaaag 180
cttcaacatt caatttcgag cgtctagata tattacagga ctcaatcaaa catccgagta 240
aaatgttact gtcgtttaaa tttgcttagc tctccagctt taaatttcga gcggctcgat 300
atatgacggg actatattat acatccgagt aaaaagttat tgtcatttga atttgcttag 360
agattc 366

<210> 11140
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11140

tcaagaaaaa tggcctcagc aaatttctta ttttcaaaag gaaattctat caatagacct 60
 ccaatcttta atggagaggg ttaccactac tagaaaaccc gaatgcaaat ttttattgag 120
 gcattagact taagtatttg ggaagccata gaaatagggc cttatatacc caccacagta 180
 gaaagaatta caatagatgg aagcacatca agtgaaagca taacaataga aaaacctaga 240
 gatagatgat ctgaagagga tagaagacga gtacaataca attttaaagc caaaaacatc 300
 ataacatctg ccctgngaat ggatgggttt caaattgtaa gagtgctaag gaaatgtggg 360
 acactctaca at 372

<210> 11141
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 11141

agcttgcaaa ttattttccc ttgctagaga tcaatcaaaa cccctcctac ataaaggaag 60
 ggctttccca aaataattgg aatttcctaa tcctccttta tgtccatgat cacaaaatca 120
 gcttgaaaaa tgaatttacc aactatgata agcaaattct ccactattcc tttcagataa 180
 gtaatagttt tatctacaag cacaagagaa atgttaatgg gttgggggtc ttgtaactcg 240
 aacttcttat aaacaaaata aagcatcaaa tcaatgcttg caccaagatc acataaggct 300
 ctatcgattt tcaagctacc aatagtacaa gggattg 337

<210> 11142
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 11142

tcattaaaag gcttcctcct gaagctttct tgtggcttct ttgagaagct ttctcaagag 60
 gcttctttga gaagctagat ccttatctat ccacaccctt cttttaactt aattaacctc 120

cgtataaata attacggatg aaaataacgc aacaaataat caaacatcaa acataattac 180
 taataatata tagatatata tatctgggtg ttacaactct cccacccttt tagaaatttc 240
 gtccctcgga tttaccttac tcaatcaagg atgggtgagc ttctcgcatc tgactttcta 300
 attgccacgt ggcattctct cctgatgcac ctccccagat caccttgacc agcggaatct 360
 ctttcctct t 371

<210> 11143
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 11143

tgacggagtt tgtagcatca gggaacaatt ttattttaaa agtgggtccc aattggcgtc 60
 ctaattttcg gctttcctat ttggatgtga catcatggca gttaagtccc aactttccat 120
 cgtggattca gtcacaaaac aaacttcaat atgttggact gtctaacacg gggatttttag 180
 attctattcc cacctgggtc tgggaaacac cttctcagat ttgtattta aacctctctt 240
 ataatcatat ccattggtgag attgagacta cattaagaa tccaatatct atccaaacta 300
 ttgatctaag ctcaaatcac t 321

<210> 11144
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 11144

agcttcacac tacttgatac ctattctaca ttttcagcaa tcagagaatt taaataataa 60
 cttgcgaggt caagatagac caaattggag agattcccaa tctgagatgg aatcttcccc 120
 atgaatccat taccagagag gtcgaggtga gtcaaggaag tcattgtccc aaggaaagaa 180
 ggaattgaca taccttctcc aagaaatcta ttgccgctca agtccaagta attcaaagtc 240
 tttaaatacag ccaaacaagg acttatctct ccaccaaact ggaatcccct ataagcttcc 300
 ctatcaaagt agccatcata gtaa 324

<210> 11145
 <211> 361
 <212> DNA

<213> Glycine max

<400> 11145

agctcgtctt ttctagaaaa cgaggtgcc aacgatcact tccacttgag atccccacat 60
tgctttctcat gtgtcctcag atcagagagc accgagaact gcttctgggt gcacctcttg 120
cacacgtaca ttttggggca gtggcttctc ttgtaatggt tcttggcaca aatcattgac 180
ttcagtgggt ggaacttggc atgcctctgg ttccacctac accctcttg aggacacgaa 240
tacctctttg gcttcacact catcaaacac tctagatctc tttggttctt aattgggtta 300
ctcaaagcag cattgggtctt gtactcatcc ccgtgagccc tcatgtgcat cctcaaattc 360
g 361

<210> 11146

<211> 329

<212> DNA

<213> Glycine max

<400> 11146

agcttgtagg gttaaagtct cagcattgtc atgtgctcat gcaacaattg ttagtcgtgg 60
ctatacgaga catcttgcca aacaaagtca ggttcacgat aactcgcctg tgctttttct 120
tccatgctat atgtagcaaa gtgattgatc cagtaatggt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgctg tggctcctgt tatctacggt 300
ggatgtaccc gggtgagcga tacatgaag 329

<210> 11147

<211> 334

<212> DNA

<213> Glycine max

<400> 11147

agctttttat ggaatttatg atatgaatcc agataaggta aagtaactgt tttttatgga 60
cgattttcca ttaggccatg gaaaatctag catgatattc cattcttgat tttaaattac 120
ttaccaaag aaacttggtg actgatgtag gtccttcaat caatgattca aatgggtggt 180
cttggtccaa ctggagatat gactgctgtt aaacgaacag cacagttctt cctcaacagg 240

tagtttatca aatccattta gtggaatac ataaaacaat caaaacacct acatagattt 300
agcagtagta tttctatata tcaatatcat taga 334

<210> 11148
<211> 341
<212> DNA
<213> Glycine max

<400> 11148

tgtcacagtt ctgccatcac tgggtggtgac ttgaaaagag agggattgtc cattgaggta 60
tgagttgctc tgccagtttt gccccagtt tcttgacatg ggctgccacc cagtttttga 120
ccctttaatg gacactgaat tcacatcacc agctccagcc acattggtga tcaaaactag 180
gttgaagtaa gagtggccat tgattgtgaa ccttattcct ccctttttca cacaaggaac 240
cctgccatca tcacaaaaag tttagtttag tactagttaa acatatgagc aattgaaaat 300
taaatatccg agataaatta agtaatctca gtcgttaatg a 341

<210> 11149
<211> 336
<212> DNA
<213> Glycine max

<400> 11149

tcaacattca atttcgagca tctagatatg tgacagtgtt caatcagaca tccgagtaaa 60
aagttattgt cgttcgaatt tgctcagagc atcaacattc aatttcgagc gtctcgatat 120
atgacgggac tcaatcagac atccgagtaa aaagatattg tcgtctgaat tggctcagag 180
cttcaacatt caatttcgag cgtctcgata tgttacggga ctgaatcaga catccgagta 240
aaaagttatt gacgtttgaa tttgctcaga gcatcaacat tcaatttcga gcgtctcgat 300
atgtgacggg actcaatcag acatccgagt aaaaag 336

<210> 11150
<211> 339
<212> DNA
<213> Glycine max

<400> 11150

agctttgagc caattaagac gacaatattt ttttactcgg atgactgatt gagtcccgtc 60

atatatcgag acgctcgaaa ttgaatggtg atgctctgag caaattcaaa cgacgataac 120
 tttttactcg gatggctgat tcaatcccg t cacatatcga gaagctctaa attgaatggt 180
 gaagctctct gccacttcaa acgacaacaa ctttttactc ggatgtctga ttgagccccg 240
 cgacatatcg agacgctcga aattgaatgt tgaagctctg agccaattca agcgacaata 300
 actttttact cggatgcctg attgagtccc gtcatatat 339

<210> 11151
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 11151

agctttttatc catggcttcc tatggtggtg agctttcttct tgactcatat tctccttgaa 60
 gtggtgcctc taatcatctt tcttccttct tcattccact gccattaaac ttttagaagc 120
 aaatgacttc atggatgaag aagatgcaag gcctacaagc ttcacatgga gctacatcat 180
 gtggtatcaa gagcatcttc gtctaggtga tgttcttttg cttcctctat ttttttggtt 240
 ggtcaattca ctttaattcc tttttcttca ttttattctc catgtatatc ctccattgtc 300
 ttgtggtttg gtgctgttta gagtagat 328

<210> 11152
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 11152

agcttttaaaa ggtgtttttat ctctacaaaa atatatgttt ttgcactagt aatcgattac 60
 catatatgtt aatcaattac cagagacaga ttacataatt ttttttttaa aaaagttttc 120
 ttttgaaatt tgaattttta atgttcta atcgattaccac ttgtatgtaa ttgattacca 180
 gtgatgaaac ttcagaagtt aactttgaaa agtcatgacc cttcaaaaca taattgtgta 240
 atcgattacc aagaatttgt aatcgattac tagtgagaga atttttgaaa aatattctga 300
 aaagtcacat ctcttc 316

<210> 11153
 <211> 326
 <212> DNA

<213> Glycine max

<400> 11153

tttatgggat aatctcttca ttcgggggttg atgaaaaccc catggatcaa tgcataacc 60
acaaagttag tgtgagcaaa atatgctatc ttgcttcata tgtagaagaa tatcttactt 120
gcagccaatg atcgggggttt gctacatgaa gtgaaacaat ttctctctta taattttgac 180
atgaaggata ttggcgatgc atcttatgtc atcggcatta agattcatag agatagaact 240
ccaggatattt tgggtctatc acaggaaacc cttataacca aacttcagag agatttcgat 300
gaaagattgt caccatgtgt tgctcc 326

<210> 11154

<211> 346

<212> DNA

<213> Glycine max

<400> 11154

tatgctgcaa acatctacaa tagacctcct ttacctcagc agcaaaatca gccacaacag 60
aacaattatg acctctctag caacaggtag aatctcgggt ggaggaatca tcccaacctt 120
agatggtcga atccttcaca atagcagtaa caacaacaac aacaacagca gcaacagcaa 180
cagccccaga aacagcaaac agttgaggct cctccgcaac cttcccttga agaacttggt 240
aggcaaatga ctatgcaaaa catgtagttt cagcaagaga ccagagcctt cattcagagc 300
ttaactaatc agatgggaca attgtctaca cagttaaadc aacaac 346

<210> 11155

<211> 371

<212> DNA

<213> Glycine max

<400> 11155

agcttctcgt cagtgggtacc ttatgtttca tgggataatt tcttcatttg gttttgatga 60
aaaccccatg gatcaatgca tataaccacaa ggtagtgagg agtaaaatat gctttcttgt 120
tttatatgta gatgatattt tacttgcagc caatgatcgg ggtttgctac atgaggtgaa 180
acaatttctc tctaagaatt ttgacatgaa ggatatgggt gatgcatctt atgtcatcgg 240
cattaagatt catagagata gatctcgagg tattttgggt ctatcacagg aaacctatat 300

taacaaaatt ctagagagat ttcggatgaa agattgttca ccaagtgttg ctcccattgt 360
gaaaggtgat a 371

<210> 11156
<211> 271
<212> DNA
<213> Glycine max

<400> 11156

tcttgtttga tcttacattt tagagccaag gtttcaaaac atactcccta acaaaacgct 60
caagtaggtg agtaaattaa tgatagggca gtgtatcgag ttttgcgcca ataagaccta 120
tgttgtttgc accagcaagc catgccttgc atgaagaaag aagttgagta ttgcgaagga 180
aaataaaggt ctttttaacc aggggctgga gtactcaatt ctttaacaag gtctttgttt 240
ctcctgagac agaaagccga aaaccatttt c 271

<210> 11157
<211> 374
<212> DNA
<213> Glycine max

<400> 11157

agcttgaaag aaaactggat gcattgttta tcttggtaac ccagctggcc ttgaaccaga 60
aatctgtacc tgttgcaagg gtttgtggtt tgtgctcttc tgctgaccac catacagacc 120
tttgcccttc catgcagcaa cctggagcaa ttgagcagcc cgaagcttat gttgctaata 180
tttacaatag accttctcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240
tctccagcaa cagatacaac cctggatgga ggaatcacc taatctcaga tggcttagcc 300
ctcagcaaca acaacagcag cctgctcctt ccttccaaaa tgatgctggc ccaagcagac 360
catacattcc tcca 374

<210> 11158
<211> 345
<212> DNA
<213> Glycine max

<400> 11158

tactcaagct ttcaatgaaa tgctggtcaa gggcgtaaga tgaaacgtga agacatattc 60

tgcaattatt tctggtttat ccaaggaggg gagagcagat gaagcttta agttgtatga 120
 tgagatgatg agaatgggtc taatacctga tgacagagtt ttcgaggcac ttgttggtag 180
 ccttcataaa cccagttctc atgctgccct gaaacaaaat gagtatgggg aactgaaaat 240
 aaacacttct gatacctcga gcttgccaaa cactggtttg tcaatttcac acaggaaggt 300
 ggtacataca tgataatctt gtccttgaag cccaagtaaa aaacc 345

<210> 11159
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 11159

agcttccctt tctttggcca atgctggact tgcttggcag tgatttcctt ggcaatttga 60
 tgctcagaaa cagcaatata caccactcct tcagttgggtc tgcccaggta tttgttgatt 120
 acagcagggg agaatttaac acattttcct ctgacaaaca ctttctgata ctcatcactc 180
 tttctgtttg ttatgtcaga gggaatgttg acaatgaatt ctctgactag actttcatag 240
 caatctccca acttgggtgac agttttcagc agtccagcag ccttgatgag gtccatgata 300
 tccttgcaat ccaaggcatc tcttcccagt tctctttcta aggcaagtct gcgttgatat 360
 acaaatttcc acctttc 377

<210> 11160
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 11160

agcttgtatg gataaagtct cacgattgtc atgtgctcat gcaacaattg ttagtcgtgg 60
 ctatacgaag catcttgcca aacaaagtca ggttcacgat aactcgctg tgctttttct 120
 tccatgctat atgtagcaaa gtgattgata cagtaatgtt tgatgagttg gaaaatgagg 180
 ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
 atcacttgat tgtgcatctg gtcagagaaa tcaaatgctg tggctcctgtt tatctacggt 300
 ggatgtaccc cggttgagcga tacatgaaga tcttataagg gtatcaaaga atctat 356

<210> 11161

<211> 329
<212> DNA
<213> Glycine max

<400> 11161

cttaaaagga gccataccaa tactggcttg ttttctattg ttgtaagtga actcaatcaa 60
tggcaaacaa tccatccagc taccttggtg ctctataata cacgcccga gtatatcctc 120
taaagtctga atagttcggt cagtctgacc atttgtttga ggattattag ctgaactaag 180
cttcagcttt gtccccaagg cttcatgtag acttgccaa aatcggaag agaacttgg 240
atccctgtca gatacaatac tagaaagaat tccatgcaac cttactactt acttgatata 300
caactacact agcttttcca ttctatacc 329

<210> 11162
<211> 297
<212> DNA
<213> Glycine max

<400> 11162

tacgctagct tcaaactcga aggtggagga ccatgaacca aaaacaattc atggggctcc 60
gaaaaagggg ttgagaatgg ataattactc taagcaatca ctacgcatag ctccaaactc 120
taagggtggag gacacattaa cgataacgct attcatgggg ctccgaaaag agcgagaatg 180
gagaattgca ctacacaatc actacacata gtcctaaacg cgaacgcgga ggactcatta 240
atgaaaacgc ttttcatggg gctctcaaca gattgataag tggataattg aactaat 297

<210> 11163
<211> 370
<212> DNA
<213> Glycine max

<400> 11163

agctttgata ttggtaagtt aatgcctcaa aacttctatt atatttcctg tttctgaagt 60
acgttttttc tcaactaacat ctctttttat aacattaatc tctttaatcc tctcatttgt 120
actaattact ttatcttaca tttttcttcc ttttcttctc atctcctttt ctattaaaaa 180
agttgcccga ttttgattta taaatgcaat ttctcttttc attttaccaa actttatata 240
aagatatttt atttgattca ccaggacata tttgctgctg gaactgatac ttcagcatca 300

acactggagt gggctatggc agaaatgatg agaaatccaa gagtgagga gaaagcacia 360
gctgaattga 370

<210> 11164
<211> 328
<212> DNA
<213> Glycine max

<400> 11164

agcttgtaga tttctgtctt gtatctgttt aatcgattac aaccctctcg taatcgatta 60
taaagttggt tttgatgtag ctccacgtgg agcttgtagg ccttggatct tcttcatcaa 120
tggagtcatt tgcttcttga agatcaatag tagcggaatg gagaaggaag aaagatgatt 180
ggagacgcga cttcaaggag aagatgagtc aagaacaagc tcatcaccat aggaaactga 240
tggaagcttg cttgtaaggc ttctatggag gctggatctt tgaacttcaa tgaggtcctt 300
taatggtgat tttccaccat ggagatgc 328

<210> 11165
<211> 346
<212> DNA
<213> Glycine max

<400> 11165

tttaatcata tgtaacaaca ttcatccaat atatgatttt tctagatggt ggtccatgac 60
catcataatt gattatggga ataaaaatgt caaaattatc tacaatttga aatttaattt 120
tattgcttat taatagaaaa gacttttgtt aatgtcatgt gagaaccgaa ttaacatgct 180
taaactatgt caatagttgt tagaggtaaa acttaattag gaaaaaaaca gataatttta 240
atgaacattt tatgtgtcta tgattcaaga caatgaaaaa ataataatca tgaaaaattt 300
acatatatta tgatagaaaa tgaaatgatt aaacaattta taatat 346

<210> 11166
<211> 363
<212> DNA
<213> Glycine max

<400> 11166

ctttatacaa tgggagactg ttcatattcaa gtgctcgaaa gaatcaatga caatgcttac 60

aaagttgagc tgcccgggtga gtataatgtt agttccacct tcaatgtctc tgaattatct 120
 ctttttgatg cagaaggaga atcccatttg aggacaaatc cttctcaaga aggagagaat 180
 gatgaggaca tgaccaagag caagggcaag gatccacttg aaggacttgg aggacctatg 240
 acaagggcta gagcaaggaa agccaaagaa gctcttcaac aagtgtctggc catactatat 300
 gaatacaagc ccaagtttta aggagaaaag tccaaggttg tgagttgatc atggcccaaa 360
 tgg 363

<210> 11167
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 11167

agcttatagt tattggaggg agaatttaac aatccaaaat caattgtacc tttcaagtaa 60
 cgaaaaattc tttttgcggc ttttagatga ggagaggtag gagcctccat aaagcgacac 120
 acaactccca cgcacatag aatatcgggc cttgtattgg ttagatacct taaactcccc 180
 acaagactct tgaagatcgt ggagtctacc ttctctcctt catcaaactt tgataacttc 240
 aagccacctt ccataggggt gttcacggga ttgcaatcaa gcatattaaa tttcttcaac 300
 acttcttttg tgtacctttc ttgtgagaca aagataccat tctccgtttg cttcacttcc 360
 attccaagt aatatg 376

<210> 11168
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 11168

agcttgtgcc ttttcacgtc tggattatta atgtagcata tagatccaaa gacccttatg 60
 tgctttgttg atggcttctt ctcgttccaa gcttcaactg gagtcttgtc ttttacagac 120
 ttagttggac atctgttgag tatgtaaaca acagtgtaga ctgcttttagc ccaaaatgtg 180
 ttaggtattc ccttctcctt gagcatccat ctagccattt ccataactat gcgattcttt 240
 ctctcggaca ctccattttg ttgaggagaa tatgcgactg taagttgtcg ctcaatgcct 300
 tcacctcac aaaatctttc acactcgcga gaggtgtact ctttgtcatg acacttctta 360

gtacttttat ccg

373

<210> 11169

<211> 341

<212> DNA

<213> Glycine max

<400> 11169

tctgttttca attacgagct tctcgatata ttacgggact caatcgggtca tccgagtaaa 60
aagttattgt cgcttgatta ttctcagagc ttcagttttt aatttcgagc gtctcgatat 120
actacgagac acaatcggac acccgagtaa aaagttattg tcatttgaat ttgctcaggc 180
ttctgttttc aattaccagc gtttcgatat attacgcgac tcaatcggac atcccagtaa 240
aaagttattg gcggttgaat ttgctcaggc cttctgtttt caatttccag cgtcttgata 300
tactacggga cacaattgga cacccgaggt aaaagttatt g 341

<210> 11170

<211> 344

<212> DNA

<213> Glycine max

<400> 11170

ttgagcaaat tctaacgaca ataacttttt tcttggtatgt tcgataaagt cacgtaatat 60
atcgagtcgc tcgaaataga atccagaagg tgtgagaaaa ttctaacgtc aataactttt 120
tactcggatg tccgattgag tcacgtaata tatcgagacg cccgaaattc aatacaaaaa 180
ctctgagcaa attctaacga caataatttt ttacttggtat gtccaattga gtcgcgtaat 240
atttcgagac gctcgaaatt gaatacataa gctgtgagca aattctaacg acaataactt 300
tttacttgga tgttcgataa agtcacgtaa tatatccagt cgct 344

<210> 11171

<211> 375

<212> DNA

<213> Glycine max

<400> 11171

agcttaacaa aaggcatgcg aagtgtgtgg tattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaacaaaa ttgaatggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240
gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactaaaa 300
atttgcttgt ttgtgaagca catgaagagg tttaatgggg ctatttgggg tccaaaagac 360
tctagaaaca ttaca 375

<210> 11172
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11172

tgcttcatac cgnatattga tttctttaat ttgcacacca tgtgttcctt tccttcaact 60
gagaatccca ttggttgatc catataaaca ttctcctcta aatttcatt aagaaaggca 120
gttttcacat tcactgatg taactctaag tcataaaggg ctactgatgt catgataatc 180
ctaaaagaat ccttttgtga gatcggtgaa aatgtctctt tataatcaat gacatctttc 240
tgagtaaadc ccttaacaaa gccttgtaac gttcaaagtt gtcagagag tcacgtttaa 300
tcatgaagac ccacttaca ccaactctct taataccctt tggc 344

<210> 11173
<211> 347
<212> DNA
<213> Glycine max

<400> 11173

tgcatacaag attctccttg cctggcactt tataaccttc tgggtgggtc atatagatgt 60
cttcctctaa atcccatgc aagaatgcag ttgtaacatc taactgctcc aagtgaagat 120
tctctgcagc tactatgctc agaataactc tgatggtagt catctttaca actggagaga 180
agatctctgt gaaatcaatc ccttgtttct gctgaaaccc tttcaccaca agtctcgctt 240
tgtatcttct tctaccgaca gattcttcct ttagcctata gaccaccta ttctgtaatg 300
cctgctttcc ttctggcaat ttagttaaag accacgtctt attctttt 347

<210> 11174
<211> 375

<212> DNA
<213> Glycine max

<400> 11174

gcttcctcaa tcaccttatt gagaatttat atgccatgaa ggatatgtct gtctttgatg 60
aaagttgtct gtctctcatc aataaggata gatataacat gcctcaattt gtttgctaata 120
aacttggcta tcaccttgta catacaacca atcaaggaga ttgggtctgta atcatcaaag 180
gactgaggggt gttttacttt gggaattaga gccagaaagg aagcattact acctctaggg 240
aagctgccat gcacatggaa ctcatccaca aatcttctga agtcagggtt caccactccc 300
caaaattctt taataaaatt gaaattaaaa ccatcaggcc caggacattt gtccccacca 360
cagctttctt gatct 375

<210> 11175
<211> 333
<212> DNA
<213> Glycine max

<400> 11175

tagcttcttc tgtcaactaa cgaagactgt ctctccgtta gtcggtaact catccacaac 60
tattacctga gccgatccta tgagatattg agggatgctg ggtggtttcc ggtcaaaggt 120
tatttcgaat ggagagatac tagttgcaa gtgaattgag gtgttgtagg acattccgcc 180
cacatcaaga attttcccca agtggttggg ttcgagtcaa caaaagcgca caagtactgc 240
tccactactt aattgatgac ctgagtttgg ccatttgttt gaagatggta agccgaactc 300
atgcgagtc acatgccact caaacgaaag agc 333

<210> 11176
<211> 351
<212> DNA
<213> Glycine max

<400> 11176

ctgcaatctt acatcatgag ccatgttttt tatcttgatt tggaatctgc tttggcaagt 60
ttatatttta tagttgaatg gtcagtgtgc acaatgatct ttgacacctac tataaatgat 120
cataactttt tgaaggccta aaccactggg aacatatact tcttcactac tacacagttg 180
atttgggctt catttagcat tttgttggca tagtaaatag catgaaatat tccactcctt 240

ttttgttcta atactacttt taccacataa ttattcgcat cacacattaa gtcgagttct 300
 tgcccccgat tgggagccac tatagctgga gtggttacta gccttttttt c 351

<210> 11177
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 11177

tgttcatatg gcttgaaaca agcatcgagg cagtgggtaca tgaagtttaa tgagttaaag 60
 agcaactcag gattcaaaag atgtgacatg aaccattggt gatatgttaa gaaatatact 120
 aatagttatg ttatccttgt cgtgtatggt gatgacatgt tgattgcagg atctagtatg 180
 gtagaaatta acaggttgaa gcaacagttg gcagaaaact tttaaataa ggatcttggt 240
 ccaactaaac aaatccttgg tatgagaatt ctagaaaaca tatcagaagg aattttgaag 300
 ctgtctcagg agaaatatat acacaagttg cttgaca 337

<210> 11178
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 11178

gcttatatat atcgacacgc tcgaaattaa acatcgggaa ctctcgagat attcaattcg 60
 tcatcatttt tcacacggat gtccgattcg ggcgcataat atgtcgagag gctcgaaatt 120
 gaacaacgga agctcttgag aaattcaact ggtataacct ttcacacgga tgttccaatt 180
 atgccaatta catattggga cgcttcgaac tgaacaacgg aagcttctga caaattcaaa 240
 tggtcataac ttttcactcg aatgttcaaa tcaggcggat cacctataga gacgcttgga 300
 aatgaacaac ggaagc 316

<210> 11179
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 11179

agcttgaata ggacctcagt gtgaatatat atgaccattt taatttcccg agagcttccg 60

ttgttcattt tgcagcgttt ctatatgtga tgcaccttaa tctaacatcc gtgtgaaaag 120
 ttatgaccat ttgaatttct caagagcttt cgttgttcaa tttcgagtgt cttgatatgt 180
 gattttccag aatcatacat tcgtgtgaaa agttatgacc atttgaattt ctcaagagct 240
 tccgttggtt aatttcgagc ttctcgacat attatgcgcc cgaatcgac atccgtatga 300
 aaagttataa ctatttgaat ttcgcgagag ttttcgacgt taatttcgag cgtatcgata 360
 tataataagc ccgaatc 377

<210> 11180
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 11180

agcttgctta tgcgggcata gtattatatc accataacat gatgggtttg gtttaatttc 60
 attttggaa acttgccgct atctttgctc ttagatcctt gcgcaagatt ttgcctgacg 120
 gtgacttggg aattgcatca atgaagaata ctcggtttat tcttttgtaa aacaccacct 180
 gcacaattcc acaactcatt acattcctta ttttgtggct aagaaaggta cagtacacat 240
 cataaacctg taaaaaacgc atattatatc tgatagtgc ccagacattt ataattaggt 300
 gggaagaagc ggtgtgggtc agttataaga taaaatgaga aattatattt atacggggtg 360
 aatgagat 368

<210> 11181
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 11181

agctttaagg atggaagggt tctttttatc tcttgcaagg atattagtgt cattcagaca 60
 aatgttttaa gaatcaaacc agtcattaaa ttgatcgaga tgttggatta atgaattacc 120
 gatataatta tatcagtgga tcagtattca aatctgtttg acttgatata tattagcaaa 180
 ttttttaaaa tataatataa ttatcataat ttaatcaagt tgatactcta aatttagaaa 240
 ctaatatcaa catatgagat ttacactaca agaaaaatga cctatgccta tagacacttt 300
 tgcctacatg tttaatctag tgtaggtaaa acctaaagaaa tacttttacc taaaaatatt 360

tatcgtagc

369

<210> 11182
<211> 372
<212> DNA
<213> Glycine max

<400> 11182

agcttatgct gcgaaatatt actatatacc tcctcaacct cagcagcaaa atcaaccaca 60
gcagaacaat catgacctct ccagcaacag atacaaccct ggatggagga atcaccctaa 120
tctcagatgg tctagccctc agcaacaaca acagcaacct gctccttcct tacaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa cagcagcaac aaccccagaa 240
acagccaata gttaaggccc ctccacaacc ttccctcgaa taacttgtga ggcaaatgac 300
tatgcagaac atgcagtttc aacaagagac cagagctgcc attcagagct tgactaatta 360
gatgggacca tt 372

<210> 11183
<211> 379
<212> DNA
<213> Glycine max

<400> 11183

gcatgcaagc ttgtgaataa aattctgttt ctgaagagga ctataatgac ctgcgaagag 60
ctggtttacg cagttgtttg ctggagggcc tgccggattg gcttggttgcg tatgcggatc 120
gccttgatg agccttcacg tgacaacaat ggtttcatgt tcatgtggtt ctttgccgat 180
caattttccc taacatatat gctatggcga aggtgagaat catcaattat tgaaagaaca 240
aaacttcctg aagaaattct aaagcataat ccataagaaa aaagagaata tttctcaaat 300
ataattctcg aagttgaaag gagcgatgcc tgaggtcacg gtcctctctt ggccgtgggg 360
ataattcct ttatacact 379

<210> 11184
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 11184

ntacaaaaaa tgtcactcta ctctaagttt ttttaaggata tgttcacaag gaaacacaag 60
tatattcacc aggaaaacat tggctctggaa ggaaattgct ttgttgtgat tcaaaagatc 120
cttccaccca agcataaaga ccttgggagt gtaaccattc cttgttcaat tggataaatc 180
actatgggaa aggctcttat tgatttggga gccattatta acttaatggt agtctccatg 240
tgcataaggt tgggagagtt ggagatcatg cccacttgaa tgattttaca acttgctgac 300
cgctccatta ccagaccata ttg 323

<210> 11185

<211> 209

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11185

tgaatcggac ctccgagtga tatagtatga tccattgaat tgctcaagag cttccattgg 60
gtcaattcga gcgtctcgat atattatgcg ccataatccg acctgcgagt gagaattatg 120
accacttgaa ttctcgagag cttccggttg caatntcgag cgtctcgata tattatgtgc 180
ctgaatcggga cctccgagtt agaaggatg 209

<210> 11186

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11186

gtagaaattg ctattctaag ctacttttg cgattcacat cccacgtggc tttaaacaat 60
atttccaata ccttttaacg aaacatgttc tgtnttataa atttatgaaa aatgggtaat 120
aatatatata tagctaattt ttacantaat agataagtat attttttagta tcttaattaa 180
tatcatatat aataatcgat actctataaa tggaagctat atctaataat ttatgctatt 240
aaaaatnaat cttatagact gactactata aaaagggat tgatctaaat aattaattta 300
cgttttaaatt atgattatat catataattg atatctcata aaaattctat ataattaaaa 360
tgtaaat 367

<210> 11187
 <211> 386
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11187

 atataagtga tcatgattaa taagatatga acgacagaaa gaagaagatt tccttaaatt 60
 gttaactgcc attctaacaa attncataat aaaaaattaa catcatttga taatacaaac 120
 atgcaatcaa tgggtgaaata tttcaataat agacttaagt taagtctagt tacatatata 180
 cattaatctt gaagaaattt gtatcataac atctatccaa tgacaacaat attcataaaa 240
 actataacat ttataattaa acctcatctt ttatagaaaa taccttatta tttatatacg 300
 tgtctataac aataaagata aattattatt tcctgtgtta ataattgcaa acttactatt 360
 atactatagt ctacacacac tatacc 386

<210> 11188
 <211> 294
 <212> DNA
 <213> Glycine max

 <400> 11188

 agcttgagct cggcttgagt tgaatacgta aagcttgagt tgacataggc tttttttaag 60
 gctctgctcg acttacataa aagtctgact tacgagccta tttaaaagct tgcttaaaga 120
 cgtcttttat taattaatta ttttaaaacc tagtgaaata ctaactaaaa aaagaaactt 180
 ataaaatttc gtataaataa tgtacaaatc taaaaataat tgataaacia aattatattg 240
 aattcaagtc gttaaagcac aaagtatata aaaaaataa aaatagcata atat 294

<210> 11189
 <211> 283
 <212> DNA
 <213> Glycine max

 <400> 11189

 agcttgctgc cgttcgagac ctctttcggg tttaggcctt tggttatggg gagaaggagc 60
 aacggtgctg ttgttttcgc ttctgaaacc tgcgcgcttg acctaatga agcgacttat 120
 gaaagggagg tttaccctgg tgaggttctt gtggtggata aaaacggtat tcagagtctc 180

tgccatcatgt ctcatcctca accaaaacaa tgcatttttg aacatattta ctttgcaactt 240
 cccaattcgg ttgttttttg gaggtctgtg tatgagtcctc gta 283

<210> 11190
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 11190

tgtacacctc tgtttctcta cctttcatca caaacctgt tggttgattg acaaaaactt 60
 cttcttctag tgagccatta agaaatgcag attttacatc catttggtgt acttcccagc 120
 aattgaagct agccattgct attacaagtt tcaactgttc caacctagca acaggggcaa 180
 atacttcac ctaaaaccaga ccttgctttt gcaaaaatcc ctttgcaacc agtctggcct 240
 tgaactttgt tacttctcct ctaggattca acttagtttt gtagaccatc tttactgcta 300
 tggctttctt tcctattagt agctttgtga gactccatgt cttgtttctc tcaataaacc 360
 tcaactcttc ttccattgct tcaacccaat gtgagtgcct caaagc 406

<210> 11191
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 11191

tataaatcat taaaattgat tagttttggt atctatatta taatttgatt tcacgtgcat 60
 caaaactttg ttttgtttta aaaaattatc cattaggaaa caattgtgtg taatatcgca 120
 ttatttctac aatatgtcgt ttcaaagat ttctttataa ttataaagct gaagttttcc 180
 gaccaagaa ttaaaggtct ccctagtga atatcatttt aacttacgaa ataatttggg 240
 tcagtttatt tgttaaaaag tagagaccat tggtatctat aaaagatgaa ttgatgtaaa 300
 taaaaagact aaattgatcg atttttttat tgtttaacaa caaaattggg aattttcatt 360
 cttccacgga atatcaatct taaatcttgg aagggccaaa ac 402

<210> 11192
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 11192

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ctcaaataaa gatttttggg ctacctgtcc gaccttcctt tgttaagcct gtccagccaa 120
aggtatgtaa tattcttata gccattactt gaatttattc gcaaatttac ttacaattct 180
ggaattggaa tacaacatga tgtgctatat atattattcc caaacaatg tcagtggatt 240
gtttgaattt atgctgtagg atgaactaag gagagaatta ggaatggatg aggatcttcc 300
tgctgtatta ttgatggggg gaggtgaagg tatggggccc attgatgcta ctgctctggc 360
acttggagat tcattatatg acgagaatat tgtggctccc gtacgtcaga tccttgagat 420
c 421

<210> 11193

<211> 424

<212> DNA

<213> Glycine max

<400> 11193

gtccattctc ttggaagttc atcattggat tcgacttctt ctagagtatc ttcattgcgt 60
cctttatcat ttcttttggg attttgttca tgaatgttca tatgttctaa agaatctgca 120
atgtcatcta gcatattctt tcttgacaat atatcattac attcatcaaa ggtaacatga 180
atggattcct caatattcat agttctctta ttatatatcc tatatgcttt gctttgtaat 240
gaatatccaa gaaaaatgcc ttcacagat tttgcatcga attttcctag attatcttta 300
ccattattaa gtacaaagca cttgcaacca aaaacatgtt gatgagagat attacgtttt 360
ctatcattaa ataactcata tgggggtttt tttaaaatag gtcttatcaa agccctatac 420
atga 424

<210> 11194

<211> 327

<212> DNA

<213> Glycine max

<400> 11194

ttaatggagt gtggaaccgg cactggcgt actggcttct acttggccgc cactggttca 60
actcctttct tggaaaccat gtgcccgatg tactccactt gttgttgtgc gaaagaacat 120

ttggataatt tgagaacaaa atgattatcc aaaaggacct gaaaagcttg ttccacatgt 180
gctacatgct cctcaattgt tgcgctgtag atcagtatat cgctgaagaa gacgatcatg 240
aaacgacgaa ggaacggtct gaagatcatg ttcattgggtg cctgaaacga tgaggagca 300
ttgcataaac caaaaggcgt taccttg 327

<210> 11195
<211> 211
<212> DNA
<213> Glycine max

<400> 11195

tgtacgcctt ggatcttctt catcaatgga atcctctgtt tcttgaattt tgatggcagc 60
ggaatggaga aggagaaaga tgattggaga cgccacttca aggagaagat gagtttataa 120
gaagctcacc accatgggaa gccatggata agaacttgaa tgtaggataa aattaatggg 180
ggaagatgga gaaaaagaac accaaattta t 211

<210> 11196
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11196

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gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240
gagaggataa cagatgaaaa gctgggtgaga aagatcctca gatccttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggtt ctcttcaaac ctttgagcta ggactctcgg atagggtga aa 412

<210> 11197
<211> 284
<212> DNA
<213> Glycine max

<400> 11197

agcttgtagg gttaaagtct cacgattgtc acgtgttgat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtaggcat aactcacccg tgtttttctt 120
ccatgccata tctagcaaag tcattgatct tatcaagttt gatgagctga aaaatgaggc 180
cgcaattata ctgtgccagt tggagatgta tttccccct gctttctttg acatcatgat 240
tcacttgatt gtgcatctgg tcagagaaat caaatgttgt ggtc 284

<210> 11198

<211> 284

<212> DNA

<213> Glycine max

<400> 11198

agcttgctaa cccatggttt tttcctaata tctcccacac tttttggggt tggccattct 60
tggacggcct tgattttctc atgggtccaca tggacctcat ttctaccaac taaaacact 120
aagaaaacta tattatctac acaaaaagta cacttctcta tattttcata gaggggtgtt 180
ttcctaagaa ctgaaaaact tgcctgagat gtcataagtg atcatttagg ctctactgt 240
tcagtaaaat atcatcaaaa taaacaacta caaatatacc tctg 284

<210> 11199

<211> 281

<212> DNA

<213> Glycine max

<400> 11199

agctttggag tttccaagtg ccaattcgtc ttcttcttta gtccagtctt cttctggctt 60
caattcttca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caggttctgc tatccagtga tttgaggaag gccaccattc ttgctttcca 180
atattcatag ctgcttccat cgagaattgg tggatatgtc actgggtccg cttctttctc 240
catgttcac aagaatttat tccctagatc tcactctgtg a 281

<210> 11200

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11200

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tatattcacc atgaaaaaat tgtcgtggaa ggaaattgta atgttgtgat tcaaaagatc 120
cttccacca agcataaaga ccttgggagt gtaactattc cttgttcaat tagagaagtc 180
actgtgggaa aagctctgat tgacttggga gccagcatta atttaatgtc attctccatg 240
tgcagaaggt tgggagagtt ggagaccatg cccactaata tgactttaca actggttgac 300
cgctccatta ccagaccata tggagtaatt aaagatgtgc tggtcagagt gaaacatttt 360
accttcccga cagactttgt ggtaatggat a 391

<210> 11201
<211> 286
<212> DNA
<213> Glycine max

<400> 11201
agcttgctgt ttactacatg ctttgtaacc ttctattgta tccttcttgg gcatatgcta 60
ttccttcgcg gattctcaaa attcccgata caattgtgga ggttgctgtt tgggtattcc 120
tcacctacta tgggtattgga tttgacccaa atgttgggag gtaaagaaac tactttaaac 180
atttaggagc atgcgaatgt tgttgcttct actaatttgc gtgttactta tgatgtgagc 240
tcttgaattt tgtgcaggtt cttcaagcag tacctcgtgc tattaa 286

<210> 11202
<211> 286
<212> DNA
<213> Glycine max

<400> 11202
agcttgtaaa ggagtgtgaa tctttgctgg accacctttt ccctgtgaat gatcctgctc 60
cagtttccac tgagacaact cccaagctg aaggttttga tccttcaact tcaaccacta 120
ccaagagtga tggtttggtg attccgaagg aattagctga gatcgagtac atggagagcc 180
tttatatgaa gagtactgta tcagcattgc atgttttgca ggaaattaga agtggaagct 240
caacagttag catgttttca ttgccaccgt tgaagataag tggttc 286

<210> 11203
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 11203

tgccttacct gcaaaatctt tcggtatatg ttcttaaatt acgaagttgt cgtccaccac 60
 cataactcatt ctctccactt gattcttgtg ttgtctatct tatatgtcgc aaggcatgca 120
 tagtcaattt cacaattctc actcactaat ctttgaataa gttaaacata actaattcat 180
 ttaccaagct actccttact tgtacaacta ttggccattt ttgaggcaag aactttcatg 240
 attacaattc atacaatggc ctgagtactt catgcacact ctatagttgc atacaataac 300
 ttactcaact ctagaacata ggtgctacga tattgatatg ctgaaaatga cttgcgatac 360
 ttttatatca cttacatcta agtctatatg atctacaatc tgaca 405

<210> 11204
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 11204

tgttactact attagatagc tactaatact attgcaaact gttattgttt ttttaactta 60
 attatattac acttgtttat gtatgtgttt ttctcttgac ttaaataataa ttttggtcat 120
 tttattttac tcaatacgta attttggctct ctctatttta aaattaaaat atttgatact 180
 cctattttta aaaatctaca attttggctct ctctatttta aaatacaaac attttgtccc 240
 tatatttttag aaaattcata attttgattc tcatattata gaaaattcac aattttgggtt 300
 taatatataa ttattcctat gttttatttc ttttattttt tactttgtag ttaattaaat 360
 catttcttga tgatatctta aatgaatatg tagatttagg atttaattag 410

<210> 11205
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11205

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ggtagtagtt catgagaccc aacatgtctc cacggggagt gccagtgttg ttagtgaaga 120
 agaaagatgg aaccatgagg ttgtgtgtag actatcgcca gttgaataag gtgatgatca 180
 agaacaagta ccatttgcct agaatagatg accatacgga ccaggtgata agaacttatg 240
 tgttttagcaa gatagacctt aggtcaagtt accatcagat ccgagtgaag tctgaggata 300
 tcctgaagac tgcctttagg acctgttatg gtcactatga gtatctagtc atgcctttca 360
 gtgtgactaa tgcctttggt gtgtnatag attaccatgaa tagaatcttt cacccttate 420
 ttgatagg 428

<210> 11206
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 11206
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 gcaagttgaa agccttggag gaaagaggta tgcctatgtc gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagaaaa atcagacacc cttgaagtat tcaaggagtt 180
 gagtctgaga cttcaaagag aaaaagactg tgtcatcaag agaatcatga gtgaccatgg 240
 cagagagttt gaaaacagca agtttactga atactgcaca tctgaaggca tcaactcatga 300
 gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360
 gcaagaagct gctaggggtca tgcttcatgc 390

<210> 11207
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 11207
 tagcttgcct cgaaggttta tttctatgat ccgctggagg cggcgcatct tcaactgcggg 60
 tgcggcgcggt ggggtgtttt cttcacggga ttgtttgcga ataaagtgtg cgtggaggag 120
 atttacggtg ttggaaggcc gttcggggct ttgatgggtg gcggaggag gctgttggcg 180
 gccacgtga tttaaatatt ggtggtgtgc ggggtgggtta ctgtgaccat ggtcc 235

<210> 11208

<211> 424
<212> DNA
<213> Glycine max

<400> 11208

aaactacgct ttgaaaatta aacacaataa cttttactcg gatgtttgat tgagaccgct 60
aatatatcga gtcgctcgaa attgaatacc gaagcgctga gcaaattcaa acgacaataa 120
ctttttactc ggatgtctga ttgagtcccg taatatatcg aaaagctcga aattgaatgt 180
tgaagctcta agcaaattca aacgacaaaa actttttact cggatgtctg attgagtccc 240
gtaatatatc gaaaagctcg aatgtgaatg tagaagctct gagcaaattc aaacaacaat 300
aactttctac tcggatgtct gattgagtcc cgtaatatat cgagatgctc gaaatggaat 360
accgaagctc ggagcaaatt caaacgacaa taactgttta ctcggatgtc tgattgagtc 420
ccgt 424

<210> 11209
<211> 281
<212> DNA
<213> Glycine max

<400> 11209

agcttctaca ttcaatttct tgcttttcga tatattacgg gactcaatcg gacatccgag 60
taaaaagtta ttgtagtttg aatttgctca gggcttcggg attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatccga gtaaaaagtt attgttgttt gaatttgctc 180
agagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtagtt tgaatttgct cagggcttcg g 281

<210> 11210
<211> 416
<212> DNA
<213> Glycine max

<400> 11210

ttagtgtact gctttaagta gtgcacgata tgcttcctta ggtaaacacg ttgcctaaaa 60
gttactatca ggccaaaaag atattgtgtc cgatgggtat gaagtatcag aagattcatg 120
cttgcctgaa tgattgcata ttatacagac atgaatttca agaaatgcc aaatgcctta 180

tgtgtggggt atcacggtac aaagtgaaag atgatgacga gtgtagtagt gatgaaaact 240
 caaaagacct aacatggcat gcaaattgga gaaactgcga tggaatgctc catcatccgg 300
 ctgattcctc ccagtgggaag aagattgatc gtttgtatcc agatttcggc aaagaggcaa 360
 gaaatcttat gcttggacta tccactgatg gaatgaatcc atataggtag ttaagt 416

<210> 11211
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 11211

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 caaagcacag ctgcatatct gaccacttta gatgtatcac acaatcaaat aaaggggcaa 120
 ctcccagatt gttggaaatc aataaagcaa ttagtgattc ttgatttaag cagcaataaa 180
 ttgtcagga agattcctat gtccatgggc gccctaatta atatgaatgc cttgggttta 240
 cgaaacaatg ggtaaatggg tgagttgcct tcttctttga aga 283

<210> 11212
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 11212

agcttcctc ttagtaatgt cttagtcac atatcagcac cattatcac agtatgaatt 60
 ttggccaact ccaacagctt agcatccaaa gcacctcgta tccaatgata cctcatatca 120
 atatgcttag accttgaatg aaaagttgag ttcttaccaa gatgaataac actctgacta 180
 tccataaata atagatattt atcctgaaca aaaccaagct cctacaagaa tatcttcacc 240
 catagcaact ccttgcacgc ttcgataatg gcaatgaatt ctacc 285

<210> 11213
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 11213

agcttctggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttctatatt tcagattggg aatgcctcta acagcacttt tgtcaaggat tttcttcatg 120
 cctcttaagt gcagatgtcc aaacctttga tgccatattc tgacttcatc ttctttggag 180
 gatagacatg tggaggagta gctggtttct tgggggtgtcc ataggtaaca attgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tc 282

<210> 11214
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 11214

tttcagtgga atgcttgata gcatcttgca tgcaccaatg tcattctttg acaccactcc 60
 ctctggcaga attttgagtc gtgtgagttt taattaacac ccctttttca cattaatttc 120
 tgctagtaaa caacgtaaac tacattcttt aaattatatt gtttggactt actgtcttat 180
 gaaatgttta ggtatctact gatatacttt gggttgatat atcaattcca atgtagtaa 240
 acttcgtcat gatcacgtac ttttcagtaa tcagcactct cattgtaaca tgccaaaatg 300
 cttgggaaac ggtcttcttc ttaatacttc tgttatggct gaataactgg tatacgggat 360
 gatatgccta c 371

<210> 11215
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 11215

agcttgtcaa gggaacaatt atgcatgaat tcatagatga gagctttctt gcgtccttcc 60
 aaacagaatc aaagaagtat gacaacatta acatgagaag ttctactgat acactattag 120
 aaaatatgtt ttctacatcg gttatttatg actttcaaca tcgggtttttc aaccgatgtt 180
 gaaagtaccg acgttgatag tattatcggt aacatcgggt tttgaaaaac cgatgttaac 240
 gtaaaattac caacatcgggt tatataaata accgatgttg ctaat 285

<210> 11216
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11216

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tacctcctcc tctttggctc aacaacttgt gatgaatcca cgtcgaggct ctactttggt   120
ggtgccattt tgctcctcat ttccccacta tgtatccctg gaactatata tgctcgagat   180
tggtttcacc atgccatcca ttccagcttt cggatggaag gttccggctt cattcttggt   240
catgttgatg atcttgagct tcataaggaa ctcttcacat gtcaaaacag cgctctaagt   300
ctcagtaatg gggacagtca tggcctgctg agtgagaatg gatccattta tgtaattagt   360
tagagtgcaa aatctagtga tntgtgttgt gacaagatgt ttgg                               404
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<210> 11217
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11217

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ngcattctag aatttgaaag attgcacaag tctcatcaag ttacaatttt ttggagaggg   60
tctatatctt gaaacgttaa atctagaagg atgtacacaa ctcaggaaga tagatccatt   120
cattggtctt ctaagaaagc ttacaatttt aaatttaaaa gattgcaaaa atctagtaag   180
cttaccagc agcatactgg gtctcaattc tcttgaatac ctaagtcttt ctggctgtta   240
aaaaatgtac aatatacagt tatttgatga accaagggat gatgagattt cggagaagct   300
ttgtataggt gaagctccta ctcaatcca atcaacatcc tccattttga aaaggttggt   360
nttcaggcct ttacatttgg tgtatgc                               387
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<210> 11218
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 11218

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gaatgctcta ttcagtgtag tagactagaa tatattcata cggatcaaca catgcacagt   60
ggtcggagat gcatgggtca tccagagaac cactcacgaa ggaacctcca atgcgaagaa   120
gtcctgattt catctgtcgc ctacaaaagc ctacaatctt aaaatgaaag aagagcgaat   180
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gtttaatgac ttacacctg aacattcttg agattgccta cgcttgact gcctagcgac 240
aaagaatgac aaatgaaaag ctggt 265

<210> 11219
<211> 285
<212> DNA
<213> Glycine max

<400> 11219

agctttcatt aagatggggg agttcaccgg gagtggtgag tatgtgactc acggtgaatt 60
accttcctcc aggccaaatc attcaaggaa agttacagat cttcctcttg tgctgctgat 120
cttctatgag ggttcagggg ggcctttcgg ggtggaggat actgtgcacg cagcagggcc 180
tctgttagcc ctcatggat tcttgctttt cccattgata tggagtgtc ctgaagcttt 240
gatcactgct gagatgggta ccatgttccc tgaaaacagt ggtta 285

<210> 11220
<211> 279
<212> DNA
<213> Glycine max

<400> 11220

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cggtatgaaa atagtgcatt gatgcaaagg tttgtcactt gttcccgaac aagtgggagt 120
ggctttgacg gaatctcact agcagctgca agaaaaaaaa aaatggtaaa attcctacac 180
ccaaaaatta tacctataaa caccatttaa aatattaaca gaatgacacc accatgggaa 240
catttaaaat aaataaagcc aacaaaattt aatatagag 279

<210> 11221
<211> 322
<212> DNA
<213> Glycine max

<400> 11221

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atatttattg tcatgtccct cttgaggatt gtttcaagga cttcactatc tattgcctgt 120
aaaaggtaat tctttacctt taagtccttc aacttctgct cctcgatcaa tttgcattgt 180

gcctccgtaa gctctattcc atctgccacc atcaatatcc cattctcaat gagatcccaa 240
tattctttgg agcagagaaa attctccatc aacattgccc aatgatcata atgaccatta 300
aaccttggaa ttgcaggctg ca 322

<210> 11222
<211> 269
<212> DNA
<213> Glycine max

<400> 11222

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ctcaggctag atgggctatg agaaatgctt cagtaatatg ggtgaagatt taccatagaa 120
tacgcgga gctgtagatg acctttgctc agagtctagt gaataaagtg cttcttgtgc 180
caatgcaaca ttttaaggtgt gatgggaacg acagccagac tattatttga gacactggag 240
aacatgaatg ctttgactag gatgttcaa 269

<210> 11223
<211> 286
<212> DNA
<213> Glycine max

<400> 11223

agcttcatgt tattggaatg tattctattg acttcaagcc ttccaacttc taatgagcac 60
cattatcaat ttcactatca aagctaccag accttttcaa tgcggggcca atgctatctg 120
gtcgatttga aggcagaggc catgaaattt acctcaacta tatatcaaat gatatacacc 180
tcatatgccg cttgggggcta taatctacac ataaaggaac aactaaaaat ctattgagga 240
acaggtagag aaactaaagc caccaataag tgtaaaatgc tcacat 286

<210> 11224
<211> 315
<212> DNA
<213> Glycine max

<400> 11224

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cccgacgact aaactgataa ataattatcc ttggcttctc ggacaaagtt tggcacgctg 120

ggggcaagat taatcttatt acaatgagac cttggatgcc atcgtgatct tatacccggtg 180
 agaggttgat cttgacgggt cggaagcca tccttcgcct tgccttgaat gtaaggagc 240
 gtcccaatca cactgtcacc aacatttgtg tccacatgca taacattaat acactgtcta 300
 acgtcaagat ctcac 315

<210> 11225
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 11225

taaagcatgg taagcttttag cctattgagt ggtatattaa atgaaaaata tccaataata 60
 tctttgatta tattttttaga ataacttaga gtatcttata ttttgtaag attattctct 120
 atatttccta atatttcatg atttgtttcc atattgacta ttagtataaa taaggattag 180
 tgctttatgt tttagtcata ctataacaca tcatatcaaa taaagtcaac atcaataatc 240
 tcactgtatt cagtttctta attcctattc ctctctctct atacctaaat ccatatagtt 300
 ttaacacacg taatgtatca gttcacacta gcataaattt aaaaacaaaa tccaaatgat 360
 gatcataagt ggcgccatg ga 382

<210> 11226
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 11226

ttgcctcaaa acaaagtgtt tccattacat gcattgctct ggtaatcgat tactaggcag 60
 tgtaatcaat tactagaaga taagtttgaa aaatagctgt ttaaaaggggt tttgaatttg 120
 aaaattgaac ctataatcga ttgccagatg tgtgtaatcg attaccagca acgatactct 180
 ttaaattcaa attcaaaagt catgaccctt caaaatataa ctgtgtaatc gattaccaga 240
 aacctgtaat cgattactag tgaagaaatt cagaaaaagc tttttgaaaa gacacatctc 300
 ttcaaaccat tttgaaaagg cacgaagggc ctatatatat gtgtgtgtct gacttcaaaa 360
 agcaagagag aga 373

<210> 11227

<211> 327
 <212> DNA
 <213> Glycine max

<400> 11227

agcttatcaa catcaaactt gtagaaagag ttcttggggg caagacatga gaagcaatca 60
 agtataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
 gcaacataaa aaatctctgc acggtaatga tgaagattag tgatagtcct cccttctgct 180
 cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
 acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300
 aaccgagctt tgacaacatc aactaat 327

<210> 11228
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 11228

tattgaaatc aaacaagata ataaattatc ctacttttat aatagaagca tatgttcata 60
 aataacaaat aagtcataag tcatcaaaac ataaatcatt tgtctaagtc acttgcatct 120
 agaagtccta attctcttct aatgggtgtag aaagaatctt tggttagtggt ttttgtgaag 180
 atgtctgcaa gttgggtttt agtatctaca aattttttaa acacaatcac ctttttccta 240
 agactaagtg ctaattgact atcaacactt accaagataa gtttttatta acatagaagg 300
 ttttatcata tcaaaataat tttatttgaa ataaaatata ataattttga aaagcataaa 360
 aaatatttta aacaatcaat caagt 385

<210> 11229
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 11229

agcttctggt gggacathtt gtcttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatht tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tttcttggag 180

gatagacatg tagaggagta gctgggtttct tgggggtgtcc ataggtaaca attgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
gtgaagttta cattgaatcc tt 322

<210> 11230
<211> 305
<212> DNA
<213> Glycine max

<400> 11230

agctttggca gaacaacttc cttttgccat tccctcgagg cttggccaaa atggtaaact 60
ggctgagctt gacctctcaa caaacaagct cactggattg gtgcctaaat ctctatgcct 120
tgggaggagg ctcacgattt tgatcctgct caacaatttt ctctttggat ctttgctgc 180
tgatcttga caatgctaca cactccaaag agttcggtcg ggacagaact acttgacagg 240
atcaattcca aatgggttacc tttacttgcc tgagtaggcc cttttggaat tgcagaacaa 300
ttacc 305

<210> 11231
<211> 316
<212> DNA
<213> Glycine max

<400> 11231

agcttggttc ttggcactac atttagtggg gatacaggta aatgtacacc tttaaccttt 60
tcttgatgt gatagtagat gggctaatg tgtcaataac ttcttaattc gggcaaaaat 120
ctaatacgc gaaatttaga tgctttatta ttaattcagc tagatctaata accttcttga 180
ccctggctct gcaggtcacg tgctcattgac ctgcttgat taggtgccaa gaaatctttt 240
taagtggtg tactgcaaaa ttgcttgct acacattaag agcttgctta ggagcgattt 300
aatgacttgc tcgggc 316

<210> 11232
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11232

tgaatcatta taaataaatg tgagaattca atcacatggt tgtattacac ctatcaaagg 60
 atacaataca catgtcaatc acacaaaaat ttagataaca catgttatat ggtgcttcat 120
 aaatatttgg tttgattaca aagcataatt aaaatgatta gatttatcat tttatatacc 180
 tgaaatatta atttttgtaa ccaatctgaa cttttatgca atttatacat gtatttcaac 240
 ctttgaaagc tactctacac gtgtaatccg aacctatgat cgaattatca tatttattta 300
 aaatgatttg cagaataaat tttatgttga ttagttnttt tttccaatgc ctatatttat 360
 cgattgggtt aaat 374

<210> 11233
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 11233
 agcttctgac ccctttccat attctgataa ggcagcaagg tgtctctata atcatcaaaa 60
 ctctcccaag tactgctgga ggcaccatca agaagcacia ggttgccagt gtcattgaac 120
 acaccactag aaactctagc agtgaagcca ccagtgttcc ataacttatc accatttggg 180
 gcagtgagaa ccaacccatc atcagcagaa agtcaactt ttgagccctt tgggtgcaggc 240
 ttgttgtccc tattggcaaa ccaaactatg gttctgtctt gaatgttggc ataccaaag 300
 caaagtatga aatgatcag 319

<210> 11234
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11234

tatcattcta tctctcaaaa agtatgaaag gaagttcaag agatgcaggt aaagcatacc 60
 cctagtagac aaatatttct atcttacctt catgtagaca tctgtatctg gatcaggtgt 120
 aatatttgct tctttttctc ttctgaacac ctctgctagc aaatctgcag aatgtgaaat 180
 aattttagtt aaaacttgat ttttcatatg aattttgggt cgatttccaa attgcagctc 240
 tgtgggctaa ccataaggag gcccaactcc ttggactcat gctgagaagg ccagggtttc 300

tctgactgtc atttctccaa tatgaagatc attntgactt acaaactcat tcatcccatg 360
accattataa gtcacctt 378

<210> 11235
<211> 322
<212> DNA
<213> Glycine max

<400> 11235

agctttgcag aaaaagactc cttttgaagc atggcagcagac taaaaccaa agctaacaaa 60
tctgaagata tttggctgcc tttgtttctc ttacatacct caagtaaaga gagacaaact 120
tgacaagaaa gcagaaccta gaatttttgt aggttatagc tcaacttcaa aggcctacag 180
aatctaccta ccacaaagca acaaagtaat tgtcagaagg gatgtcaaatt tcatgagtc 240
agatagttgg gactggaaaa atgataagag gtctgagttt caagaggaga atgaagatgt 300
agatgaagaa cccatgagag ga 322

<210> 11236
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11236

tggtcccaaa ggctttatga agactctccc aaaatctata ggtgaatctg ggatctctat 60
cagaaactat gctagaaaga acaccgggta atctaactat ctactgacg tacaagctag 120
tcaacctctc taaagaatat ctgatgttta ttgggatgaa gagagcagat ttggtcaacc 180
tgtctacaat aacccaaatg gaatctaaac ctttgggggt cctaggtaac cccactacga 240
aatccatgga gatgctatcc cacttccact caagtatctc taaagggtgc aacttccctg 300
aaggcttctg gtgttctatc ttagctttct gacacactan gcatgcaagg acaaactcat 360
taacttcttt cttca 375

<210> 11237
<211> 321
<212> DNA
<213> Glycine max

<400> 11237

agcttttagtt ttgtttaaga agttatattc aatgcatagg gagacagaga taaagaattc 60
cattgccaat gcagttcatg gtatggaagt tggggagttt gctacattta tggcacttgg 120
tttgcacttc gtggtcttgc agcggcgagt aaaacttaca ctaattgtgc tgccattcgc 180
aaaaccatta aatttctact ttcaacactg aaagaggatg gtaggtgggg agaaagctat 240
ctttcatgcc caaaacaggt ttgtcattga atggatcatg taaacaggat actatatggt 300
ttattaaact gtattaaata t 321

<210> 11238
<211> 381
<212> DNA
<213> Glycine max

<400> 11238

ttgaatggag gctctggtct cttgttgaaa tagcttgttt tgcattattca tttgcctcaa 60
aagttcttca aggggaaggt gtggaggggc ctcaactgtt tgctatttct gaggatgttg 120
ctgttggtgc tgctggattg gtggaggaac gtatagtctg cttggggccag cagcattttg 180
aaaataaggc tgttggttgt gctgctgctg ttgtgaagga ttcgatcatc taaggttggg 240
atgattcctc catctgggat tgtacctatt gctggagagg tcataattat tctgttggtg 300
ctgattttgc tattgaagtt gaggaggttt gttgtagatg tttgcagcat aagcttcagg 360
ctattcaatt gcttcagatt g 381

<210> 11239
<211> 376
<212> DNA
<213> Glycine max

<400> 11239

tatatgattt caattccatt tcatttcaat gtccgtgtaa tccttttgat cataaaggaa 60
aatggaaggc atgttttttt ttaagatagc cctttaattc gtataacgtg agattaatat 120
gattcttctt catttaatat tgcagtcatt gccagtgttc atatttgcaa atcaagctgg 180
ccttgacatg ttggaaacaa ccctagttgc cttacaagat atcacattgg ataaaatatt 240
tgatgaggct ggacgcaagg cattgtgtac agactttgcc aagttaatgg agcaggtaat 300
aataacttct agtgatcaca aaattttcaa gttacaacta cattgtcatt ttgaaaattg 360

ctgaattggtt ttctgc

376

<210> 11240
<211> 299
<212> DNA
<213> Glycine max

<400> 11240

cgacactcta gaaactccaa gctttcaaga aattcgaatg gttataactt ttcacattaa 60
tgtcctattc tgggacataa ctcatcttta cgctcgaaat tgagcaacgc aagctctcga 120
gaaattcgaa tggtcataac atttcgcaca aatgtccaat tctgggacat aatatatcaa 180
gacgctcgaa attgaatatc ggaagctctc gggaaattca aatgggcata acttttcaca 240
tggatgtccg atttgggaaa ataatatatt tatatgctcc agattgaaca acgaaagct 299

<210> 11241
<211> 323
<212> DNA
<213> Glycine max

<400> 11241

agcttggttc ataaccacct gttttatatt atccatttac agtctataaa aacttcagga 60
tttttcctgc acattatggt ataatggtct catgtgtcat tttagagggg ctattctcca 120
ttcagcatca tggcacacat agagttgctt tcttggttgc tccagttggt gcaacatggc 180
ttttgtgtat tagcagtatt ggtatataca acatattcca ctggaaccca aaagtatacc 240
gtgcactttc tccaatctac atggcgaagt tcatcaaaac aactgggatt gaaggatggt 300
tgtcattagg aggagtgggtg ctt 323

<210> 11242
<211> 321
<212> DNA
<213> Glycine max

<400> 11242

agcttttgat gctctagttt attccttttt ttgaatgaat atgttcaa atactcta 60
tcctttcaca agctgaagca ctataagttt ggcttaaaac acgaatagcc aatttttgca 120
attatggaac actacatoca taacaatccc accattgatc taggatacaa catataaaga 180

aataaatcaa tataatgaat atattatgac tcgctaaaat aaatcacaaa tcagtaatgt 240
tatcaaagta tcaaacacta aatttacctg gcatgactat gttccgttca catattgcag 300
ctcgtcatgc aaaatatacct t 321

<210> 11243
<211> 324
<212> DNA
<213> Glycine max

<400> 11243

agcttttagct taactctgca thtagatcta catgagcaac attctaaaaa ataaatacat 60
gtgaaatddd aacgtattat aacaaattta atataataat aataactaaca atgaatattt 120
attccttttaa aaaaacattg agtattaatt tatgatttat taaataaaact agcctcttga 180
atgacctaag acctaatttg tttaactaaa taggttttaa taaaaccttt tatttggtct 240
aatttgagtc tgatgtaaaa taatgacgat tctgtaaaat aaaataaaat tactatgcac 300
ttttatatag acagcacatc cgta 324

<210> 11244
<211> 380
<212> DNA
<213> Glycine max

<400> 11244

tagtgagaca ccagattcag cactttacaa aatcttcttt ttcacctgaa atagaattga 60
aatttacatt aattacaagt ggaacattat aatgagtaat gatcaattta ttaacccaaaa 120
gtatttacaa tcctacaaaa agaactgcaa cttggaggaa ttctatataa ttatccaaaag 180
tttctataca aaagtttgtc gtataaaatg actaacacca aaccatagct aaaattcact 240
aatcataatt agtgaaattd tggctccata aattcaagtg aaatttgaat agaaattcaa 300
atttcctcc aattttttgt gacacttagg ctataaatag aggtcatgtg tgtgcatttt 360
tcaactttga taatttgaga 380

<210> 11245
<211> 375
<212> DNA
<213> Glycine max

<400> 11245

tcctcttatt agtgcatagc tcctttaaga attctgcata tcttggaatt tgctttattg 60
catccagcag aggtatgttt acctctactt ttctgaatgt ttccaagatc tttttctctg 120
cctcttccat ttttttggtg gaaactgctc ttggagggaa tggaagagga gggatgtgtt 180
gcttctgcaa atcagaatta ccagtgaag attcacctgc acataaattg ttaggtaaat 240
ttttgtcatt acctttttct gggttagagt gaagttgggc aggttcattt gcagatgagg 300
aaggtgctac gggttgaggt ccttgacact gctttcccga cctcaatgaa atggcactga 360
catttttggg atttt 375

<210> 11246

<211> 360

<212> DNA

<213> Glycine max

<400> 11246

actcaagctt aacttgattg aattggcact ctaaaggact ttcttcattt atatcgacga 60
accggttctt atcgccaaat gttaaagtgt aattgtcagt agtgagatgt gaactcacga 120
cctcatctca ctcccttata actcttgctc atattgatat tgatatctta attggtaatg 180
cggctcttggtg tgctggaatt gcaactggag aaattcatca ctacacaggt tccattctca 240
gagattaaca aggccttttga ttacatgctg taaggggagt ccatcagatg catccttcga 300
atgggggagt aaatctatat cacaccaatg atgacatgac cttgtccctg ttgggggact 360

<210> 11247

<211> 319

<212> DNA

<213> Glycine max

<400> 11247

ctgatttcct ttgttccgga aacctttctt ttcttatgtt ctcccaaacc caatctccgg 60
gttcgaagac aaccttcttt ctccctttgt tggcttgttt agcatagctt ttatttttcc 120
tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc tttgcttgac 180
cttctttatg cttaaaaaca gaaacattat gcataggcaa aagatcaaga ggagttagt 240
ggttaaaacc ataaacatct tccaaaggag aacaattagt ggcgctttga acagctctat 300

tgtaagcaaa ttcaacatg

319

<210> 11248

<211> 374

<212> DNA

<213> Glycine max

<400> 11248

ctgtcaagct cagagcagag attagttgct gttttaagt cagagaaatt cactacaacc 60

caggtgattg ggtggtgctc agattgagac caccgacgtca aacatcggcg aagggttctc 120

tgacgagttc tgggaaatta gccaaacgat attatgggcc attccagggt atagaacggg 180

tcggagaagt tgcttaccgt ctccagctac cggcagagga aaaaattcat tcagtgttcc 240

actgttcttg tcttaaacca ttccacaggt caccggagca ggttgacaca tcgcctttac 300

cacagcaatt cgtgggagat caacccatgg ttactccttt agctatcctg gattatagac 360

gctctccggt agac 374

<210> 11249

<211> 319

<212> DNA

<213> Glycine max

<400> 11249

agcttaaata ggaatctttc tttgggggga cttattattt taaaaaatg cataagtata 60

taattgtttt acttggttatt tcagttttct tgtataaact tctaagctat ttttaaaatt 120

ttaagattat aaatgtttta aatttattct gtttcttaat gttaatcatg atcaactatt 180

acttaaagtg aaagcatttt ttaaataaat ttaatctttg cctacaatca taagctagaa 240

gtttaaaaat gttattaaaa aacatcaaat ttactccaaa gataattaga gaagcaattt 300

gttgcaaaaa tcatatatt 319

<210> 11250

<211> 305

<212> DNA

<213> Glycine max

<400> 11250

actcggata ttatgcacct gaatcagacc tccgtttgac aagttatgac catttgaatt 60

tctcgatagc ttgcgttggt caatttcgag cgtctctata ttttatgcgc ttgaatcgga 120
 ccttcgagtg aaaagttagg accctttgaa tttctcagaa gcatccacta tacaatctct 180
 accggctcga tttcttatac gctgaattg gacctacgag tgaaaagttg tgaccatgtg 240
 aatttctcga gagatacagg tgtaaacta ctagcgtgat gatattctat gtgctttgct 300
 ctgac 305

<210> 11251
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 11251

ggacatctat gaaactcagc tttcaggttc tatccctcct tccctgtgaa actgtttaat 60
 gcttcagtcc ctggatatta gcaacaattc cctcagtggt aaaatccctc ctagtttagc 120
 aagatcttct aggatattca ggatcaattt gagcttcaac tcactttccg gatccattcc 180
 tagtagtctc actatgtctc cttctctaac cattcttgca cttcaacaca acaatctctc 240
 tggttttatc ccagattctt ggggtggaac tggaaagaag aaagcttccc agcttcaagt 300
 tttgaccctt gatcacaatc ttatttctgg aaccattcct gtttctctag ggaagcttgc 360
 tttgcttgaa aatgtttctt tgagtcataa ccagatt 397

<210> 11252
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 11252

agcttgtaa aatgacctta ttttattcct ccattaactg taaaaactcc aataaacctt 60
 gtgacacttg tcattttgcc aaacaaaaga ggctaccttt tcctgatagc attattgttt 120
 cttctcagag gtttgatttg ctgcacatgg atatctgggg cccttatgct tatccttcat 180
 tacttgggca caaatatctt cttactattg ctgatgataa aagtagatat acatggatca 240
 tttttctaaa actaaaatca aaagttgcaa atcatatcaa acaatttgta tctatgattg 300
 aaactcattt ttctg 315

<210> 11253
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11253

tcttatccaa ggtaattctt ggtggtgaag ctcttcttc cttgtcttat tccatagtgg 60
 atggtgectc ccctctctc ttctcctttg ccttccgctg catctccagg gtgtaaaatc 120
 accattaaag gacctcattg aagctcaaag atccagcctc catagaagct ctacaagcaa 180
 gcttccatca caatatatat aaattatcat ccgggaaatc atcccgaatg ggtaagtcct 240
 catcagacac atgttcgatc cgactcaaat gatcagcaac taaattttat gctctgctcc 300
 tatcacggat ctccaagtca aattcttggg gccaaagcat ccatcagatc aacctaggct 360
 ntgaatcagc cttctgc 377

<210> 11254
 <211> 300
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11254

tctaaactnt gtacaagaat gaagctctga tacctcttgt tgaacaagtg gcctcagata 60
 tctcaagaat gggagggtga attaagatat cacacactat tccgccattg gaaattctac 120
 tttgattgta acccacgtcc cagattcct tttaaaatga attcttatat aataattcaa 180
 attaaactta ttgaatagaa acagtaagca acatgacata atagagttaa aggaagaga 240
 aattgcttac acagttttta tactatgacg gcaaagtccg atgcctacgg ccaatcccca 300

<210> 11255
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 11255

agcttgcttc cttgctttct ttttttggtt ccttgcttcc tttgcatctt tggttatctg 60
 ctgcttgcaa cttcttggtg agtttatctt aattgataat aaatccgatg catgtttaag 120
 ttataaattc taagtgttat gagttaaata tgttttaggtt aactgtgttt tatatgttaa 180

tggtatatat gtataagtgc tatttataaa ttttaagttg ccatttgaaa tattgatatt 240
 atttatattg tatgtatatg ttataatttt agatagtggg tacagatttg tattata 297

<210> 11256
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 11256

agcttgaagg ttactatat gtattggtta acctggtaac ctaactggcc atgaataaaa 60
 aatctgcacc tgtcgccaga cttcgtgggt tatgctcttc tgtcgaccac cacacagacc 120
 ttgccccttc tatgcaacaa tctaaagcaa ttgaacagcc tgaagcttat cctgcaaaca 180
 tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagaac aattatgacc 240
 tttctagcaa caggtacaat cccaggtgga ggaatcatcc caaccttaga tgggtgagtc 300
 ttccacaata gcagcaac 318

<210> 11257
 <211> 256
 <212> DNA
 <213> Glycine max

<400> 11257

gttgtcattt gtgttccttt atgaatggca caatattagt ggttgtgcag atgtttctca 60
 acgtggaagg gaaaatggaa actttgactc tagtgctaga gtttatcata aagtcactcc 120
 caagaaatta ggggcttttg gttccaatga aggagctgct taccatctgg gattgcatca 180
 caaacagcta tatgtgtact gtctggtaca agtgttctaa atgctagacc acgtagtgtc 240
 acttcgtctg gactac 256

<210> 11258
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11258

tcatgatgaa tcaagaatga ttcaaagatg tnttgattct attatatatg atgacaaagg 60

tgatgacaaa aagctcaaag gtcaatcaaa gaatgagttc aagatgttca agaaagaatc 120
 aagaacactt caagattcaa gaggaaggtt gatttcaaga atcaagactc aagattcaag 180
 aatcaagaga agacttaatc aagataagta tgaaaagggtt ttttcaaaaa ctgagtagca 240
 catggatttt tctaaaaaaa tgtttaccaa agagttttta ctctctagta atcgattacc 300
 agattattgt aatcgattac tagtagcaaa atggatttga aaaagttttc aactgaattt 360
 acaacgttcc aattgatttc aaaaagctgt aatcgattac aatgttttgg taatcgatta 420
 ccagtgcctt tgaacgttga aat 443

<210> 11259
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 11259
 gctggtgaag aagaatgtgg catttacctg cggtgaaaaa caagagcaag cctttgcttt 60
 gctcaaagaa aagcttacta aggcacctgt tctagctctt cctgactttt tctaaaactt 120
 tgagctagaa tgtgatgcct ctggagtgcg agttggagct gtattgttac aagggtgggca 180
 ccctattgct tatttttagtg aaaaacttca tagtgccacc ctcaactacc ccacctatga 240
 taaagagctt tatgccttaa taagagccct ccaaacttgg gaacattacc tctgttccaa 300
 ggaatttgct att 313

<210> 11260
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11260

tctggtggga catcttgact tgctttccaa tttgacatcn cttcacagat tctgccttct 60
 tctattttca gattgggaat gcctctaaca gcacctttgt caatgatttt cttcatgcct 120
 ctttaagtga gatgtccaaa cctttgatgc catattctga cttcatcctc tttggaggat 180
 agacatgtgg aggagtaact ggtttcttga ggtgtccata ggtaacagtt gtcctttgat 240
 ctgctgccct tcaatagaac ttcactcttc tcatttgtca ccaagcattc tgacttttgtg 300
 aagtttacat tgaatccttc atcacacagc tgactgatgc tgatcaagtt ggcagtcagt 360

cccttcacca gcagtacttt gtccagacta ggaagtccat catggactag ctttcccatt 420
ccagtgatct ttcctttaga gccatacttc aatgtcacat a 461

<210> 11261
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11261

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caaaatgagc tactaatgcc aaaattactc gaagagagtc tttcttagat acaggggaaa 180
aggtctctct gtaatcgact cttctctctc gagtgaatcc tttagcaaca aatcttgctc 240
tatgtctctc aatgatgcct tctgagtctn tctttgcttt gaagacccat ctacatccga 300
tggctgttac accatgagga aactcaacga gatcccaaac ttggttagat gccatggaat 360
ccattctatt cctcataggc atataccaca 390

<210> 11262
<211> 379
<212> DNA
<213> Glycine max

<400> 11262

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atggagacgc gacttcttag tatgaaccag tgtggatgcy tttctctttt taataatctg 180
tatttacttg tgctactcat cacttgagac tttttgtcc atcataatta agggttctga 240
ggatgacgct cttgctacag attggaagcg gtttaagggt ttctcggaga ctagtcttcc 300
cgtgatcaat tattatgatg ccatgggaaa agttctctag cgtactgatg catgtgattc 360
taccatgttg atcacatat 379

<210> 11263
<211> 376
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11263

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tattttgact tcatcttctt tggaggatag acatgtggag gagtaactgg tttcttgagg 180
tgtccatagg taacagttgt cctttgatct gctgcccttc attagaactt cactcttctc 240
atttgtcacc aagcattctg actntgtgaa gtttacattg aatccttcat cacacaactg 300
actgatgctg atcaagtttg cagtcagtcc cttcaccagc agtactttgt tcagactang 360
aangtcatca tggact 376
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<210> 11264

<211> 251

<212> DNA

<213> Glycine max

<400> 11264

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gaataattat gaccctttca gccacaggta caatcccgaa tggaggaatc attccaacct 120
tagatggttg aatctttcac aacagcagta gcaacaacaa caaccttatt ttcaaaatgc 180
tgctggccca agcagaccat actttccttc accaatccag cagcaacaac aacaacagcc 240
ccagaaacag c 251
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<210> 11265

<211> 416

<212> DNA

<213> Glycine max

<400> 11265

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gagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gacaaaaaca 120
taataacatc tggcctagga atggatgaat atttcagggg ttcaaattgt aagagtgcta 180
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatggt aaagatctag 240
gataaatgca ctaactcatg agtatgaatt atttagaatg aatgcaaattg aaaatattca 300
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gagtatgcaa aagagattta cacatatagt aaatcatcta gcagccttat gcaaagaatt 360
tcaaaatgag gatcttataa acaagggtgtt aagatgttta agtagagaat ggcaac 416

<210> 11266
<211> 449
<212> DNA
<213> Glycine max

<400> 11266

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tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc cttagaaga 120
ttcctaaaga tgcttgagct tagctacaca tacctctcta atagctaagc tcacctcctt 180
gagatgagaa gctagagctt agctacacac cccctataat agctaagctc acccctatga 240
caaaaaacat gaaaatacaa aaaaaaaaaag tccttactac aaagactact caaaatgccc 300
cgaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg cccagacaaa 360
ggaaataact attctaatat ttacaaagat aagcgggctc atacttagtc catgggctag 420
aaatctaccc taaggctcat gagaaccct 449

<210> 11267
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11267

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cttaggacct gaagtggtag agcaactgcc gagaaggtag agttgatcca agaaaggatg 120
aggactgctc agagtagaca gaanagttat caggataaaa ggaggaaaga cttggaattc 180
gaggttgatg atcatgtatt cttgagagtc actccgtgga ctgggggttg tgcagcattg 240
aaatcccgaa aactcacacc tcgttatatc ggtcctttcc aaattcttaa aagagtcggt 300
cctgtggcat accaaattgc attaccccca tcaactttcta atcttcacaa tgtctttcat 360
gtgtctcaac tccgtaagta tatccatgat ccatctcatg ntgatcaaat ggatgacgta 420
caagtaaaaag agaacttaac atatgaaaca 450

<210> 11268
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 11268

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 ggagagttaa tcgaaaaatt aatgatgcat ctttgtttct gatcagtcca tgcacggac 120
 ataatagtac aaccatactt gacccattgc tccctatggc ctttcatcaa attttcagta 180
 tattcaactt ctttcttcaa gagtggaaact ctgatgtcat gatagctagg aatgggcaaa 240
 tgtggcccat attgaccaat ggctgcaacc atgttctcaa agcttttcaa tttaatgagg 300
 ttgaatgaaa aacctgcttg gtacaaaag cgagcaatat gtagatgcac cttcaatact 360
 tcattcttat ccattgactc tcttatgttc atttgctca gcatctccat ttttctccga 420
 ttgattgcat tatctggatt cttacaaaat ttgt 454

<210> 11269
 <211> 323
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11269

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 attntgaaga agtccttgat gaacctccga tagaagcctg tgtgtccgag gaaactcctg 120
 atacccttag catttactag tgggtgtaac ttctcaatga cgtctatttc ggttttgtcc 180
 acctcaatcc cttgggtgaa accttatggc ctaatattat cccttctctg accatgaatt 240
 gacacttctt ccagttcaac accaattttg ctttaacaca tcttcgcaac atgagcttta 300
 gattggtcga gcatcagtc aag 323

<210> 11270
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11270

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 ttcaggagat cctttattct ggaatttga catgacacat ggagcgtagt taatactgtt 120
 tttagtaagc taaataaatt atatgataaa atgtgatttt cctctcttga aatattttgg 180
 aatgttactg taaatttttt tttggaatgt tgattttaat ccctttaaaa aattaatata 240
 tttttaatta cctataaaca tgtatttcac tatccgtgac gaagaactaa aatctattac 300
 ttttgataaa tgcaaagact aaaaatatgt taaattttta taaaaactaa atctaataac 360
 acaaaacaat ttgagaggca atacttattt aattttatcc tanaatatat tatgaatagt 420
 tgactaactt tactactcta ctcttta 447

<210> 11271
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 11271

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 tgacatttct ttcaatttca ggccaatttg gattacatgt aaatgtcaag aacaaatcag 120
 gaaatccaag ctgtccacaa atagtcatta catcaaagta gagctgctcc atatatctac 180
 gtgatccaac aaaagattat ggcaatataa taatctttcc tctctgattg ccttgagttt 240
 gagcatgac tatagattga ctcaaattca tatgtttgtc aacccttaaa tcttgttgat 300
 gatctctcac aatagttagt ctttgggatt caatcatggg gtagccatct actacaaatt 360
 ggtggagcaa tctccctgat cttagaatag gttgagcctc at 402

<210> 11272
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11272

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 tgggtctcttc ttcacagata aggcacgac gatggccctt aacattgtat ccaactcaaat 120
 tcccatatgc tagaaagtca ttaatggtaa aaaaatagca atgcacacaa cttgaatgtc 180
 tcattttgat acccatcaaa catagcaacc ccctcacccc acaactttgt taagtcttca 240

atcaaggac tcagataagc atcaatgtca tttcttggtt gtcttgggcc taataccatc 300
 acaaacaaca tcatgtatct tcaacttcac cacaaccaag gaggcaagtt gtttaattact 360
 agtaatatag gccacatact gtgctgagtg cttaaactgc catagggatt cattccataa 420
 g 421

<210> 11273
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11273

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 aattcactta gttttaccga cttctttaag catctctact ggatgatatt tcattgttgc 180
 attcatataa atcaaattta tcattnttct gaatgttggg ttttgaaata ttacagttg 240
 aaaatcctat ntaccttagc catctgtcat gttttcttat tgcagagaca cttgttcatt 300
 ctacactgga accctgtgat gatgcggatt tcacttttac tgtctttttc aatttgaaag 360
 agtacacagt atatgtaaaa cagaggcctt atctccacgc attcttggag agagtatc 418

<210> 11274
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11274

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 catcactatg taaacatcgg ttttatcaaa aattgatgtt aacaaaaacc gatgttaatg 180
 taatcatctt aacattcaag gcaagaaaaa ggatggtttg aatactcatc aagatctaac 240
 tgagatgggt atatgtgaac agttacatcc aatgtttgat ggtaacaaaa tataacttgc 300
 tccagcttgt catactttgt caagaaagga gaagacaagt ttttgtcagt gtatgctttg 360
 tgtcaaagtg tcacagggat actcttaaaa tattaagaac catgtgcaac tgaaagatct 420

gaaatagttg gctaaagtct catgatg

447

<210> 11275
<211> 351
<212> DNA
<213> Glycine max

<400> 11275

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aaataagtgg cacttcagag tactcttcca tgtccatcac tacaaagtcg acaggaaaaa 120
tgaatttatc caccttgaca agtacatctt caagaacacc atatggatac ttaatggaac 180
agtccactaa ttagaggggt atctgtatag gcttaagttc aagatcacca atttttgctg 240
ataaagagat aggcataaga ttgaggctag ctccaaggtc aagtaaagct ctccccacct 300
tgagttttcc aataattatt ggaatagtga agctactagt atcttgaggt t 351

<210> 11276
<211> 351
<212> DNA
<213> Glycine max

<400> 11276

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atttcggctg actctaacag cttagcatcc aaagcatctc gtatccaatg atacctcaca 120
tcaatatgct tagaccttga atgaaagggt gagttcttac caagatgaat aacactccga 180
ctatccacaa atagtagata tttatcctaa aaaaaaccaa gctcctggaa gaatttcttc 240
acccatagca actccttgca tgcttcagta atggcaatga attctgcctc tgtagtagac 300
aaagctacac acttctacag cttggactgc caagtcacaa ctccccctgc a 351

<210> 11277
<211> 325
<212> DNA
<213> Glycine max

<400> 11277

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caaatccaat catcggactt ccttttccat tgcgctggca ttgatcttca agaaccaaag 120

gactccattg atgaagaaga tccagggcct acaaactcca catggagtta catcaatgtc 180
tataggggag atgacatcac aaggggtacaa atatgttgct tcacagtggg gacgcaaagt 240
gtataaatgg aaacacttgg tgttgcatgg acagataaat aaaggctacc ttagctattc 300
ggatgggtcaa gtttcgaaga ggaac 325

<210> 11278
<211> 339
<212> DNA
<213> Glycine max

<400> 11278

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ctcagagtgt tccgttggtt aatttcaagc gtctcgatat tttatgtcct caaatcagac 120
atcggagcga aatgttatga ccattcgaat ttgtcgagag cttccgtttt tcaatttcga 180
gcgtctagat gagttatgtc accgaatcac acatctgagt gaaatgttat gaccattcga 240
atgtgtcgag agcttccgat gttcaatttc aagcgtctat gatgagttat gtcaccgaat 300
cggacatccg tgtgaaaagt tatgacgatt cggctttgt 339

<210> 11279
<211> 350
<212> DNA
<213> Glycine max

<400> 11279

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cccatcttta atggagtggg ttaccactac tgaaaaaccc gcatgcaaat ctttatagag 120
gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180
gtcgggaagt aaacaataga aaaacctaga gcagattgga ctgaggaaga aagaagatta 240
ctacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300
tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca 350

<210> 11280
<211> 334
<212> DNA
<213> Glycine max

<400> 11280

ttgatgcaac atttttagag gttaatgaaa tttcgagatg atgcgctcca tgagagggtg 60
gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagaga gaatgatggt 120
gttcttagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaag 180
aatgatccgg aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggacaaaaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctact aaaggagaga gcaa 334

<210> 11281

<211> 341

<212> DNA

<213> Glycine max

<400> 11281

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cttctcaatc aaattcctag cctcagcagg agtcatatca ccaagggtc caccactggt 120
agcatcaatc atactcctct ccatgttgct aagtccctca tagaaatatt gaagaaggag 180
ttgctcagaa atctagtggg gagggcagct tgcacacaat ttcttgaatc tttcccaata 240
ctcatacaag ttctctccac taagttgcct gatgcctgaa atgtcttttt tgatggcagt 300
ggtcctagat gcagggaata atttgtccaa gaacaccctc t 341

<210> 11282

<211> 330

<212> DNA

<213> Glycine max

<400> 11282

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taaataaaca aaataatgca tatgaattat gaaagaccat gggcaaagag cattttatat 120
gcaccttgat gccaaagtga ttagcaactc ctctcaagaa ttcaacatga gcaccatcaa 180
gttggcgggt acgttcccca acccatagca tgtgagctga gcaatcataa tgaagcccag 240
tagtagaatc ctccctagta agtgcttgct cataaggag aagcaaacac tcatgggagg 300
tccaaaagtc tgttgctactc atgatgggat 330

<210> 11283
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 11283

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 cctcacaaca aatgtagttt catcatcacc ccaagacaca atgtggtcag tgcgagggtc 120
 atcaacaagt tggatatgtct ttgtcagaaa gggagcaggc actgacttgt gagattccat 180
 agtgaacacc atgctatctt cacacctgtc tagtgtgaaa gccatcactg aattaccaaa 240
 tagtgctagc tgcttccaat attattcttt gatggctactc tccttttcat tcactttttg 300
 cacaccacca agttttaaaag aacctctctc actctctatc atattataat ttg 353

<210> 11284
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 11284

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 gtgttattgg gtttggggcc cgagagctaa atgctgcaac aactggcgac ggctcaattc 120
 caacctttgt tccctcaaac ataagcctag atgttggttt tcgagcatct tgtaagtaca 180
 acttgatgag tttcccagcc ttgaaacca ctgcagttgt tggtaaaaga tgggcatctg 240
 ccaccaattc ctctccgtcg gattccgaat ttgctaacac catgccaca ccgccggcag 300
 atttcaccac aagtcctttc tctaccctag aactattt 338

<210> 11285
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 11285

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 tgatttctcc agatttacct gggtaaattt tatcagagag aaatcagaaa catttgaagt 180

attcaaagag ttgagtctaa gacttcaaag agagaaagac tgtgtcatca agagaatcac 240
gagtgaccat ggcagataat ttgaaaacag caggctcact gaattctgca catctgaagg 300
catcactcat gagttctctg cagccattac accacaacac aatgggatag 350

<210> 11286
<211> 335
<212> DNA
<213> Glycine max

<400> 11286

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acaaagggtgg agtatggagg attgccttga ggggccgcac ttaggcaatc atgaaactaa 120
gtcccaaact cgaaagtgga ggacacatga acaaccctaa gcaataatat tcatgtggct 180
ccgaaaaagg atgagaatgg aggattgcct tgagggtcct ctcttaggca atcatggaac 240
acagctccaa actcgaaaac ggaggacaca tgaatgaaac cgcaattcat tcacgtggct 300
ccggaacagg atgagaatgg aggattgcct tgagg 335

<210> 11287
<211> 338
<212> DNA
<213> Glycine max

<400> 11287

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aaagttatga ccatttgaat ttctcgagag ctacctttgt tcaatttcgt gcgtctcgat 120
atattatgcy cctgaatcgg acctccgagt gaaaagatat gaccattgga atttctcgag 180
agcttccgtt gttcaatttt gagagtctcg atatattatg cgcattgaatc tgacctccga 240
gttaaaagtt atgaccattt gaatttcttg agagcttccg ttgttcaatt ttgagcgtct 300
cgatatatta tgcgcctgaa tcggacctcc gaggtaaa 338

<210> 11288
<211> 340
<212> DNA
<213> Glycine max

<400> 11288

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aatataggct ctagctaadc atcatgaatg gagatatatg ttagacaagt ggccttagat 120
atcttaagaa ggggggagag attgaattaa gatattccaa actacttccc caaataaaaa 180
tctatttcac tttttattca agttataaat tcccttaaca atgaacttct taaatattga 240
ttcaaataaa acaatttgaa tatgaatgta aagcaataat aaataaagga gtttaaggga 300
agagaaagtg caaactcaga tttatactgg ttcggccaca 340

<210> 11289
<211> 339
<212> DNA
<213> Glycine max

<400> 11289

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aaaatctttt gaaattgagt gtgatgcttc aaatgttggg attggggctg cgttgatgca 120
agaaggccat ccaattgctt attttagtga aaagttaagt ggtcctacc ttaactattc 180
aacttatgat aaggagttgt atgccttagt acgggctttg aaaacatggc aacactacct 240
ttatcccaag gaatttgtca ttcatagtga ccatgagtc ctcaaatata tcaaggggca 300
aggcaagctt aacaaaaggc atgcgaagt ggtggaatt 339

<210> 11290
<211> 336
<212> DNA
<213> Glycine max

<400> 11290

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aagttattgt agtttgaatt tgctcagggc ttcggatttc catttcgagc gtctcgatat 120
attacgggac tcaatcggac atcagagtaa aaagttattg ttgtttgaat ttgctcagag 180
cttcggtatt ccatttcgag catctcgata tattacggga ctcaatcaga catccgagta 240
aaaagttatt gtcgtttgaa tttgctcaga gcttcggtat tccatttcga gcgtctcgat 300
atattaccag actcaatcag acatccgagt aaaaag 336

<210> 11291
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 11291

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 ccacattggt acaactcctt ccatcaatga tcaccatgca aactttgcca ttgatcaaac 120
 atctagtgtg gaaaatgttt tctctttgac tttcctccat tgacttcaat tgatggccaa 180
 gtaaccgcct aatcatcaac aattctccct cgggtgtttt ctccacttcc tcctcactct 240
 cttctccctt ttcaacttcg gactcactaa tttactctcc atctctaaga atcatggcct 300
 tcttgtagg gcactcatat gcataatgtc 330

<210> 11292
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 11292

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 gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg gtctatctct 120
 ttttgatgca gatggaggag ccttggtattt gaggacaaat ccttttcaag aaggagggag 180
 tgatgaggac atttgataaa atttggtgag agtttctctc tgggttcctt gttgaaccaa 240
 ttatcagact tatcaaggta atccttgtgg cgtctacca gacttatctt ccttcattgg 300
 aagtggcgtc taccgggact tatcttcctt caccggaagt ggcgtct 347

<210> 11293
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 11293

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 tacttgagac ttgtaagggt tttaaagtca gggatagctc cagagattga attgttttgg 180
 agatacaacc aggtgagtct actaagattc tgaaaggtag ttggaatact gccagagaag 240

ttgttagagg aaatatccaa tgctatgagt tttggtgaga tagaggaagg gattaggcct 300
gagaagttat tctgctgcag gtttacatat tggagtgaag gaatggagag aa 352

<210> 11294
<211> 335
<212> DNA
<213> Glycine max

<400> 11294

taatggccat ggtgattgag aaggagacat tcattatggg aatgcaaatac atgcttccat 60
tttgcttttt agacatgact cttgcttcaa taacatgggt tgctagtctt gtaaccacca 120
acctagtacc attgcataac cttgtgatt gatacatgtt ccttaaaagc attattgggg 180
taccacctt tagttttatc ttatgattag gaagaccaa tgttctcaaa ctattgagaa 240
attcacttgt gaccacttca agtgcatttc attcaacat ttttgacttg tcaattgaat 300
aagaacttag atattccctt tgatcacctg aaaac 335

<210> 11295
<211> 348
<212> DNA
<213> Glycine max

<400> 11295

ttgaagggat gtatttgctg gctataagac cactatccaa tttctcctta atgaaatgtt 60
gatcaatctg tatgtgcttt gttcgatcgt gttgaactag attgtgtgca atgctaattg 120
cagacttatt atcacaaacc agtcccataa gagcttcata ttttattttg aggtcatcga 180
gtatgacctt catccataac aactcaciaa caccttgagc catagctatg aattctactt 240
ttgcacttga tcttgcaacc acattttgct tcttactcat ccacgttact aaatttccac 300
ccaagaacat gcaatatctt gtggtagatc tcctattaac aattgatc 348

<210> 11296
<211> 347
<212> DNA
<213> Glycine max

<400> 11296

tcaccaccaa cagagtgcct tggataagaa tctgagagca gaagcttcaa tagaggaaga 60

gaatgagggga gagggagaaa gagagagagt ggcgtggaaa ttgaaggaga atatgaagtg 120
atgcaatcct atccccaag aagattggac caaagatgca agagaaggcc ctatgattct 180
cataagcctt agggtagatt ttgggcccacat gggctaagca taagcccact tatctttgta 240
catattaaat taagatttca ttatttttgg gccttgtatt tagggctcca taatgtaggt 300
cggttaccct agaaatgtag gatttttcag cctttgtatt ttatggc 347

<210> 11297
<211> 435
<212> DNA
<213> Glycine max

<400> 11297

agctagttat aagtcgtgat gttaatttca tgaaagacca aatcattgaa ggcattgata 60
aggtggagaa atctacaccc aaggaagaca atggtgtggc tgattttgaa ccaactcatc 120
agcctattca gaatctgaat attgatgttc aaaatgatgt tgggtgtccaa caacctaaag 180
atgaagtata tgttctctgtt gatgatgaag aagaggagca tgacatgtca caagatgaaa 240
atcttgggtga tgctactgaa ccacctcaag ttcaactcag gaggtccaac aaggagagac 300
aaccttctat gaagtattct tttaatgagt atgtgatcct aatagatgaa ggagaacctg 360
attactttag agaggccatg gaaagtgaag aatagaaaaa gtagctagat gtaatcaagt 420
ttgaagcttg ttggg 435

<210> 11298
<211> 540
<212> DNA
<213> Glycine max

<400> 11298

agcttcttat ccaaggctca tcttgggtgt aaagctcctt cttccatggc ttattcccta 60
gtggacggcg cctcctctca cctcttctcc tttgtcttcc gctgcatctc catggtgtaa 120
aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc ataaaaaagc aagagaaaaag agtaaagaaa tagcttcaga tgagggaaaa 240
gaagtgtcat acccttttgt accttccaag aaagataagg aacgccacct ggcgagattc 300
ctagatattt tcaggaaact ggaaataact atgccatttg gagaagcttt gcaacaaatg 360

gcactctact caaagttttt aaaagacatg ttgacaagga agcacaagta cattcaccaa 420
gaaaatataa ttgtggaggg taattgcagt gctgtgattc aaaaaattct tccaccaaag 480
cacaaagacc ctgtgagtgt gaccattcct tgctcaatag gtgaaatcac agtgggaaag 540

<210> 11299
<211> 304
<212> DNA
<213> Glycine max

<400> 11299

actaaattca atttatacac aagtcttgca ctttccatat tggtaacaact ctctccatca 60
atgatcacca tgaaaacttt gccattgatc aaacatctag tgtggaaatt tttttctcat 120
tgactttcct ccatagactt caatagatgg ccaagtaacc gccaaatcat caacaattct 180
ccctccagtg ttttcttcac ttctcctca taatcctcac tctcttctcc ctttttaact 240
tcagactcac taatgtactc tccatctcta agaattatgg ctttcttggt agggcactca 300
tatg 304

<210> 11300
<211> 446
<212> DNA
<213> Glycine max

<400> 11300

agcttcattg gagcttgtat gcctatgatc ttcttcatca atggattcct ttgcttcttg 60
gaagatgaat ggcaacggaa tggagaggga agggagagag gagacgccac ttcaaggaga 120
agatgagttt agaaaaagct cagcaccata ggaggctatg gataagagct ttgaggaaga 180
aggaggtgaa tgaagggaga ggaagagaag agcacaaaat tttgtgctct aaaagagctt 240
tgaaatctga agtttaattt tcaaatgatc aaagttcaaa aaatgcacac acatggcctc 300
tatttatagc ctaagtgtca cacaaaattg gagggaaatt tgaatttcta tttcaaattt 360
cacttgaaat tgaaattgaa tttgtggagc caaattttgg agccaaaatt tcactaatta 420
tgattagtga attttaacta ttgttc 446

<210> 11301
<211> 415

<212> DNA
<213> Glycine max

<400> 11301

aaatttttcc aaagatgcag ggcataaaat ctatgagggtg caccaggcat gacttcttgc 60
aaagctggaa taagtccctg aaaaaataaa gtagtccata acttatgtca ttaactgcaa 120
ttaaatccct aacttatgat aataattgca aatcatttca tgtcatacct tttgcatgtc 180
tgacatgaaa ttccacccat tctgtacata atccccaaga tctttatgca acaaagttaa 240
aaaacatttc caattttctt tgttctccac gtctaccaca acataagcaa taacaacgat 300
gtggttatta gcatcaacc caacagtaaa gagcaagttt cctccaaatg cacttttttag 360
gaaacatcca tctagacct tgaatggtct acatccagca acaaaccct tttta 415

<210> 11302
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11302

ctcagcttgt ggccttggat cttcttcac aacggagtc tttgcttctt gaagttcaat 60
ggaagcggaa tggagaagga agaaagatga ttggagatgc cacttcaagg agaagatgag 120
tcaagaacaa gctcaccacc ataagaagcc atggataaga gcttgaaggt aggagaagat 180
gagtggaggg agaaggagag aaggagcacg aaatttagtt cctcaaata ggtatgaact 240
ttgaagtgt atttctcaat gatcaaagtt caaaaaatac acacatatgg cttttattta 300
tagcctaagt gtcacacaaa attgtaggga aatttgaatt tctattcaaa tttcacttga 360
atttgaaatt gaatttgtgg agccaaaatt tctaataa tgattagtga attntagtta 420
tggttcagcc cactaatcca agatcaagtc caagattctc ca 462

<210> 11303
<211> 348
<212> DNA
<213> Glycine max

<400> 11303

atgcatggga tatcctgaag accactcatg aatgaacctc catagtgaag atgttcatat 60

tgcgactatt ggccacggat tttgaagata cgattatgaa ggaggaagaa tgtattcatg 120
 acttgacat gaacattggt gaaattgaca atgcttgac tggctagtga gagaggatga 180
 cagatgacta gctggtgaca catatcctta gatacttgcc tattagattt ggcgtgagag 240
 tcaactgcgat agatgaggcc caagacattt ctacttgaga gtggatgaac taattgtttc 300
 cctactaacc tttgagctaa gaccctcgga tggggctgaa cacaagag 348

<210> 11304
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 11304

tttaatgaac cccttcgctt cccgaacatc aatggcaacc ggaatggaca aggggggaaag 60
 gcgattctag atgccacttc aaggagaaga tgaatccaga acatgctcac cactatagga 120
 gaccatggat cctagcttca aggtcttgaa agatgaatag actgagaggg agagaggggc 180
 gcaccttact tgagacttga catacttacc aactttt 217

<210> 11305
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 11305

gtttggcggg tgttctggag tggcagtgag tggtataatt ggaattggaa gggttcgggc 60
 gagttcgagt tcttcttctt ctgaggagga ggaggaggca gtgagtgtgc agtcaaaagt 120
 gactcagaaa gtatacttcg acgtgagtat tggaaatcca gttgggaagt ttgtgggacg 180
 gattgtgatt ggactgtacg gcgacgatgt ccccaaacg gctgagaact tccgtgcctt 240
 ttgtactggc gagaagggtt ttggatataa gggttctacc gtccatcgtg tcatcaagga 300
 tttcatgatt caaggaggag actttgacaa aggaa 335

<210> 11306
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11306

acaacagtgt agactgcttc agcccagaat gtgttaggta gtcccttctc cttgagtatt 60
gatctagcca tttccataac tgtgcgattc tttctctcgg acactccatt ttgttgagta 120
gaatatgcga atgtaagttg tcaactcaatg ccttcaccc cacaatatct ttcaaactca 180
cgagaggtgt actctttgcc gngatcactt cttagtactt ttatccgttt tccactttga 240
ttttcaataa gggccttgaa ctttttgaat actccaaaga cttctgattt ttcttttaga 300
aaatataccc atgtcattct agagaagtca tcaatgaaga gtatgaagta cctgttggtc 360
tcattgtgatg gcatactcat tgggtctacat gct 393

<210> 11307
<211> 466
<212> DNA
<213> Glycine max

<400> 11307

agcttgaagg taaactagat gccttgtgat gtaagctcca ttggagcttg taggcctaag 60
atcttcttca tcaatggatt tctttgcttc ttggaagata aatggcagtg gaatggagaa 120
ggaagagaga gaggagacgc tacttcaagg agaagatgag tctagaagaa gctcaccacc 180
ataggaggcc atggataaga gcttggagga agaaggagat gaatgaaggg agagggagag 240
aagagcacga aattttgtgc tctaaaagag ctctgaaatc tgaagttaat acttaaata 300
tcaaagttcc aaaaaattc acacacatga cctctattta tagcctaagt gtcacacaaa 360
attagaggga aattcaaatt tcacttgaat ttgaaattga atttgtggag ccaaaatttc 420
actaattatg attagtgaat tttaattatg gtccagcccc actaat 466

<210> 11308
<211> 556
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11308

tgcttccatt ttcagtcac aaagtcacct cccctatgcc aacaatcttg cttgtaacat 60
ggttgcccat cttcatcata ccaaaatccc ctttttgaca tgacgagaaa aatccttcat 120
gaggagtaac acggaaggat gcttcagagt cgattatcca tatacaatca ttaaatacaa 180

tattttaaata attttcatta ctgataagaa aaacattctc atcgtctgat gccacagcag 240
tagtggttcc accttcattc tttttctttg ggtcaatttg attagcatgg acagttccag 300
cctttctgatc tctcttcaag aatctgcagt taaacttctt atggcccaac tttgcagtag 360
tagcaactca agcctttggg acgagacttg gatcttcctc gtgatttccc atggccttct 420
ttaccatggg gctcgtcctt ccctttatct tcaacaacat ttgcttcgga gtgactactc 480
aagcctctct tatttctgtt ggactcttca tttagaaaac tatntgtgac atttatccat 540
gtaacctttc catctg 556

<210> 11309
<211> 468
<212> DNA
<213> Glycine max

<400> 11309
tggcgggagt gactgacacc ctatagaatt ggcaaaggcc cgtgatcaaa tctggaaacc 60
ccaatgcctg ttggagttct ctcggtccac tgggtgtcta tgaggcgtga tccctgcaaa 120
ctgatataata gcatctgaga tcaattgagc cacatgggta ctcacctagg tcaggatggc 180
gtagaccagc tgacaattcg gcagggggag gttggaatta tggttgctag ggagaatgtt 240
gctaagcagc aacatcatcc aaatctgtgt catgatccgc acccgtctcc ctgccacact 300
tcaggcaatg actcctcctg atgcaagctc cattggagct tgtaggccta ggatcttctt 360
catcaatgga ttcctttgct tcttggaaga tgaatggcag cggaatggag aaaggaagag 420
agagaggaga cgccacttca aggagaagat gagtctagaa gaagctca 468

<210> 11310
<211> 382
<212> DNA
<213> Glycine max

<400> 11310
agcttcacta aataggtggt gttattgaag aacatgcttc ctgaacataa taaattgcc 60
aaaaatcact acgaggcgaa aaagatttta tgtcctgtgg gaatggagta ccagaagatc 120
catgcatgcc ctaatgattg catattgtgc aaaaattagt ttgcaaaaat gcggcagcgc 180
cccacgtgta gggcatcaca atacaaagtg caacatgatg aattaagtga tgatgcaact 240

accacaaatt ggggtcctgc aaaggtccac tgatatcttc gcgtaatacc acggtttaag 300
cgatTTTTTg ctaatggaca tgatgcaaaa aaccttacat gacatgcaga tgaccgaaaa 360
agtgatggat tgctttatac at 382

<210> 11311
<211> 554
<212> DNA
<213> Glycine max

<400> 11311

tgtatgtgga taacatactt atTTTTggtg catgcaatga tatagtTTTT aaaactaaat 60
atttattagc atctaaattt gatatgaaag acatgggtga agcaagggtt aatttcggag 120
ttaaatttaa aaggaaggga gatagtatat tactatccta tgagcattat gttgagaaac 180
ttctcaagaa gtataaatat tatgacttta agtcagtga tacccttat gatgctaact 240
ctcaattaaa gaaaaacata tgaaaactaa ttgctgaaac tcaatatgcc caaatcatta 300
ggagcttatt gcatttgatg aacttttcta gatctgatat tgcatacgca acaggcagat 360
tgagtagata tacccataat ccaaatacaga accattggga tgcacttgct agactcatga 420
gatatctggg aggtaccatg gattatgcta ttaatacagt ggatttccca cagtactcga 480
agggtatagc gatgctaact ggtctctga ttcagatgag agaagatcca ttagtgctta 540
tgtgtttact cttg 554

<210> 11312
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11312

gcttgaggca tctacctctt gaagaggcag aggtaagggc atagggataa gttttatagg 60
tagaggacgg ggagatcaaa cactattaga aaatacactt tcaacatcgg ttatttgggg 120
ccttctacat cggttgtaaa accgatgttg aaagcatcga tgttgaaatgt attgttggtta 180
acatcggttt taaaaactga tgtaaataa aaaatattaa catcagtttt ataaataacc 240
gatgttataa agaaagaagt acaacaaaat aagtgtatgc gtgaggggacg ttggcatcag 300
ttttctgtaa aaaccgatgt gaatatgtta tattaacatc agttttttaga ggaaaccgat 360

gtgaacgttc atcattcatg cacctatttt gctatagtaa tttatgtata acattgggta 420
 tttataaata accgatgtta ttgcatacag tttaacatcg gttatntata aataatcgat 480
 gttaacctat gtacattaac atcggttggt tataaataac cgatgttaac ctatgtacat 540
 taacatcggc tgtttata 558

<210> 11313
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 11313

actaagctta agaataatgg cctcagcaaa cttcttattc cctgaaggaa attcattaaa 60
 taggcctcct atttttaatg gagaggggta ccactactgg aaaacccgaa tgcaaatttt 120
 cattaaggca atagacttaa acattttgga agccatataa gttggacctt acataccac 180
 catggtgact ggaaatgcaa caatagagaa acctacagaa gagtggactg aagatgaaag 240
 aagattattg tagtacaatt taaaggccaa aatcatcatt acttctgccc taggaatgga 300
 tgaatatttt atggtttcaa ataataggag tgctaaggat atgtgggaca ctctacaagt 360
 tacacatgag ggaacaactg atgtcaaacg atatacgata gatactttac ctcatg 416

<210> 11314
 <211> 481
 <212> DNA
 <213> Glycine max

<400> 11314

tgtccctcaa gtcacatga tctttccgca cctacacaaa aaacatctta attcttatct 60
 cattaaatac aaaaaaaaaa aaaaaaaaaa ccattaaact aaaactcaaa aatgcaatca 120
 aataaataca tacttcaaca agacgggctt tgctagcctt gtctttctct ttctccagag 180
 catgaagttc cacttctagc tgcattctct tcttttcaag gttatcaatt tcttcaggct 240
 gactatcaag ttgaacccta acatttgcac aagcctcgtc aaccaaatac attgccttgt 300
 caggaagatg acgccttgaa caatcacaaa aaatataagc acacatcaca ctaacaaaac 360
 cacaagcttt caaaacaaac gcacacacac caaaagagta cagattccat accagttata 420
 taccggttag acaattgagc tgccataacc aaagcacggt cctgaattct aacaccgtga 480

<210> 11315
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 11315

agcttgtctg accttcaaca gatgatttga acacaatact tccatttcca gatgctttaa 60
 gaagaggata agcaagttgg ctcaaattgg atgcagaatc caagttagtt gccattaatt 120
 ttgaatattc ttcggctgta tactcaattg ttggtttcct cacatttggt ccaacattgt 180
 ttaccta 187

<210> 11316
 <211> 661
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11316

gctttggggc agtggaatgg actacaaccc ttatggtgtg gactacgggt tatgttgat 60
 tttgtcatga ccaacatcga aagctgccac tattcagaag ggatgtcatc atttttccat 120
 ggtcgtactg gttaccatag tcatgatgaa tgtaccaaga ctatgatcaa gtgacagagt 180
 ctttaagtct ttatattaaa gtggatattt ntactctttt cacttaatng agtagttata 240
 cttcagcaag aaaaaactag cacccaaaca cgagttttgc taagaaaatg catgcaactg 300
 gcataaaagc tcacaaaata tcaactgtaa tgtggtttat caatcatcat tcaaagatct 360
 tgtgtctggc attaattgat gatgactgaa tcattgcaat ggaagaagaa cttcaccggt 420
 tcacaaaaaa tgatgcctgg acacttgttc ccaatcctga gaatanaagc attatntgaa 480
 caagatgagt attcaaaaat aagctagatg aacangggta ggtagtaaga aacaaagcta 540
 ggtagtagc ttaagtctat aaccaaccag aatctatnaa gttcacagaa acctttgatc 600
 cctatactag acttgaagat ataagaatcg tgcttccctt tgcttgccca taaaatataa 660
 a 661

<210> 11317

<211> 443
 <212> DNA
 <213> Glycine max

<400> 11317

gaaactctat tcacaagacg attaaaatca gattgttcga tgttactccc ctaacaaggg 60
 aataccagcagg taatgtccca cggaagtaac ttcagaaaag ccaactcattt ggaccaactg 120
 tcttctacta ctatgactga cattctttga aaagaatatt ctagctttct cttgggctaatt 180
 atgctggcct aacatctctc caaacaattg catagtgtcc aaagtacatt tcatatgctt 240
 agtagaagcc tgaccacaca ataataagtc atccgcaaac atgaagtgcg agatgagggg 300
 gccctttctt cccatacaaa aagggtttcca agcttccact gctttcaaga taatgtggga 360
 gagtttggtc atacctaaca caaagaggta aggtaatagc acatcacctt tgcgcaaccc 420
 cttattagga gcaaacatgg gag 443

<210> 11318
 <211> 565
 <212> DNA
 <213> Glycine max

<400> 11318

agcttgtaaa gcaggttatg cgcacgccta attataagta atttttataa agacaaatgt 60
 tataaaaagt gaggtgaat tatgatttta gaagaagaaa gattgaagcc tttttttgag 120
 gaaaaaaagt taacgtgtta aagaaaaact ttgttagaaa aataataaat ttttacaaaa 180
 acttgttttag acaatgaaaa tagatttcgc aaaacataaa ggattttcaa gatgaaatga 240
 aattcaaacc cctatattaa tttaaagcaa aagataaata cactaaagac atatgagata 300
 taaagaatta tactagttaa tctttaccac taaggctatg ttttaagtttt gattaatcac 360
 taagtttcac taacttatca caaatacaag gtttacgtca cagtcatttc tcgctctaca 420
 gatcaagatt taccctaagt ttgttacaac tcaatatttt ttgtcccaaa aggttctatt 480
 tgactctatg caaatcagaa agatttggtg attggttaca cgacgactaa ctcttatttc 540
 ggcttaataa atggatctgt atttt 565

<210> 11319
 <211> 363
 <212> DNA

<213> Glycine max

<400> 11319

tgoggcacac cagactgcct caaaacctca atgtttggaa ccaagttcat tgtgtcacca 60
tatgtaaaac caaatcgga atttgttata gctctaaciaa cttcctgatc atcaccaagt 120
acacgtctga ggatctcata acgtgggatg aagaattttt tcaagctcct gttcaaggta 180
tggttagcaa ttaaaatctt acgcatatca gtgttggaia gcccaataga acggaagaac 240
ttgagtttag gcaaaagggt attctctgca tccgcaaciaa gcaccaaagg gtgtttctcc 300
acaagttttg caagatgggt tttggtgaag ccatacttgt tgagacgatc aataacagca 360
ttt 363

<210> 11320

<211> 543

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11320

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gatcacttgt tgaaactggt agtagcttta gagtgccctt caaaagcttc tctcgcaaaa 120
gatggcaatc aatttccaag tgttttgtgc gttcgtgaaa aaccggattt gaggcaatgt 180
ggactgcgct ttggttgtca cagtaaagag ttggagttct ggtaagctga actctcaaat 240
ctgcaaaaag atacaacagc cattgcaact cacaagcagt tgaagacaga gccctgtact 300
ctgcttctga agatgatctg gacacagttg cttgcttttt agcacgccat gacactaaag 360
atttgcctat gaagaaaciaa tatccagata tggattttct agaatacata cagcctgccc 420
aatcagcatc tgaataacct ataagttgca tttctgaagt tctgctaaag aaaatacctt 480
ggcctggggt gttcttcaaa tacctcaata ctctacatgc tgcattngaa tgaacatttg 540
tgg 543

<210> 11321

<211> 592

<212> DNA

<213> Glycine max

<400> 11321

tactaagctt ataacatcaa acttggagaa agagttcttg gggccaagac atgttaagtt 60
gtcaagtata atgttacttc cttcactaaa gcggtgatcc atctccacac atattgtatc 120
aatagcaaca taaaaaatct ctgcacggta atgatgaaga ttagtgatag tcctcccttc 180
tgctcttgaa cgaccccgaa ctggtatttc gtcattcata tttggtacca gaatactttt 240
agcaacacaa aatccttggg catcggcaaa aaaattattc cagccactct ctcattgtgc 300
ccaaccgagc tttgacaaca tcaactaatt ccatggcatt cacaatatta agatcttttc 360
tttgcaatat atttgaaagc tcggttctga taccaaaca ctgtaacatt aacctcaaaa 420
taaaagcaaa tttaaagctc ttccattttt ctatcagacc tgctgcttga gatgggtccac 480
gttcattctc atcaaccata ctaagcacct tttacacgga ggaccacata tgatccagac 540
gaagcaatgt agtatgatgt gaaccccatc tagtatcccc gggcttagtg ag 592

<210> 11322
<211> 545
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11322

tcaagaatca agtttcaa atcaagatt caagaataat caagtctcaa gattcaatag 60
agtttcaaga atcaagattc aagaacaatc aagatcaaga ttcaagaatc aagagaagac 120
ttaatcaaga taagtactag attttttttt caaaacattg agtagcacia gaatttttca 180
caaaatcttt taccaaagag ttttactctc tggtaatcga ttaccaaag gtagtaatcg 240
attaccagta gccagcattg ttttcaaaac tgatttacia agccataatt gattaccata 300
atcatgtaat cgattaccaa tgttttaaaa tgttagattt ccaatttcaa gagtcacaac 360
tagtgataaa acattttcaa atcattttta acttgtggaa tcaattacca atgtttctaa 420
acattgtgat tttcaaattt aaacatgaag agtcacatct tttgatgtgt aattgactac 480
actataatgg taatcgatta ccagtgactg atttcgaaaa ataaatntcc aaaagtcaca 540
attct 545

<210> 11323
<211> 597
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11323

taagcttatt gagttttaca cactctccac tgttggtcct caattttattg ttaattatat 60
aatcagaata atgactcatc atatgagtag ttggacctgt aaaatttgtg atttttaaga 120
aatttgagcc aacaaaaaag agtgttcaag agaattgtgtt agagacagtg ttgctaccat 180
ttctctgttt aggaatggtg tttgtagtta ttagtgaaaa tagaaataga aaatactttc 240
cttatgtcaa acaggcttct gcattactat ttttagtttt tacaacatta tgatagatca 300
ttatatatatt tttctttctc taaaacaaat gatttgttta ttgtcttggg gtggtgtata 360
taaaaactga tcaacacatt ttacttttct ttttttgcct gttcattcca atgtacaaat 420
gattggctta tgatgcaaca aaatctaaat caggaactaa gtagctcttt taatataaaa 480
catgtnttct ttatctttta cttttctaca acattcatgt ccctttnctt tgatgtctan 540
gctgatgtgc tcngtgatat attgaagatc tatttgagaa tngtgatata atgctct 597

<210> 11324

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11324

tctatagaag gttcgttcct aatttctcta caattgcac accctcfaat gagctagtga 60
agaagaatgt ggcatttaac tggggtgaaa aacaagagca agcctttgct ntgcttanag 120
aaaagcttac taaggcacct gttctagctc ttcctaactt ttctaaaact tttgagctag 180
aatgtgatgc ctctggagtg ggagttggag ctgttttggtt gcaagggtggg caccctattg 240
cttatttttag tgaaaaactt catggtgcga cccttaacta cccacactat gataaagagc 300
tntatgcctt aataagagca ctccgaactt gggaacatta ccttgtttcc aaggaatttg 360
tcattcatag tgatcaacaa t 381

<210> 11325

<211> 473

<212> DNA

<213> Glycine max

<400> 11325

atttacaaca gtcattagaa attctaatta acatcttaca atgtgcaatc ggctacacat 60
gtatggtaat cgattaccag catttacaga acgtttttaa tcaaatttta aagcctgtaa 120
tcgattacac aaatcgggta atcgattacc ataggagctt ttcaaaaaat attttcaaga 180
gtcacatctg tccaataggt ttatgaatga ccatcaaagg tctatttata tgtgacttga 240
aacacgaagt tgcttagagt ttttcagaac aaaaaggctt tatcctctca aaagtaaaaa 300
tatcttatcc tcttaaaaaat tccttggtca atacacttgc aattcaataa ggaattattt 360
tgagtgtccc atttgtcaat ctatcttttt caagagagat ttcttctttt ctttatctta 420
atttctgaaa aggtattaag agattgatga tctctttgtg aaagcaattt gac 473

<210> 11326

<211> 526

<212> DNA

<213> Glycine max

<400> 11326

agcttcacaa aagtttgtat ggtttgtttc aagcaccgag atagtggtag aagaagttta 60
atgagtttat gagcaactca ggattcaaca gatgtgacat ggaccattgc tgctatgtta 120
agaaatatac taatagttat gttatcctta tcatgtatgt tgatgacatg ttgattacag 180
gatctagtagt ggcagaaatt aacaagttga agtagtagtt ggcagaaaac tttgaaatga 240
aggatcttgg tccatctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300
gaattttgaa gctatctcaa gagaaatata tacacaagtt gcttgacagg ttttatcttg 360
aagattctaa gaccatgaat acccctttgg gatctcattt gaagttttca aagaagcaat 420
atttgcagac aaatgaagaa aaatgttaca tgtcaagagt accatatgca ttaacagttg 480
ggagtttgat gtatgctatg gtatgtacca tacctaacat agcaca 526

<210> 11327

<211> 581

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11327

aagcttgatca aatgaatcac tgcattatgt gcagtcctta tcctccttca gaggaatgta 60

taagagagta ggcttgcaaa caagggtcca atttggacaa aagtgtaaaa ctacttatta 120
 attagaattt tatgaatcat tgtttggaat attgaagaaa aaagacaacc tgacaaccag 180
 ctgccctgaa ggaactaaaa tcatggcatc caacaagaac tctgcatgct tcctgcatgg 240
 atatcatcaa taacttgaat agctgcaaga ttgagaatct agtaagtata aggagctggt 300
 aactaacttg catagctgga agactaagct cctcaggtac atgccatgct cgatctttct 360
 cgaagggtga caaatgctct ggcccagaaa gcaaccgata gaagtatctg aatagtagtt 420
 ccaaataact atcaattact gcatatggtc ataaacagaa caaaagaagt tccatgacaa 480
 tgcattgaaa tgtagccaga ttcagaagat ctaggatgaa ccttactgtg atactctcca 540
 gtgtcactat ttattattan tatagagtac aatttcatgg a 581

<210> 11328
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 11328

tagaagcata aatctgcgca tactcacgaa tccttcatct ttactatct aaagcgcgtg 60
 cgaatataac attccctttc tgcgggtgaa aaacatcctc gttatcgctg tagtcctcta 120
 gggctcgcgc ggtgggtggtg ccggtgccgg tgccggcgaa gaggggaatcc acgtcgggtg 180
 gatactttgc ggatttataa gcgctgacta ttccgttgac ctctggaacg attcgtaaga 240
 ggcgcgtgta tgccctcgag ggggtaagtt tgagctcggg gattaatcgg gcgagtttgt 300
 tgaggacgag gcagggggtg aggcgctcga tccatcactg gcggaggacg gcgtgtgtct 360
 agatgtggac tccttctacc gcgt 384

<210> 11329
 <211> 546
 <212> DNA
 <213> Glycine max

<400> 11329

agcttcctac tgggtgttgt ttttacaatg tatcagctac cacattctct tttccttgct 60
 ttactcgac gctaaagtcc agtcccatca gcttttcaag tccccaattc tgcattaaag 120
 ttgttgaggg tttttctagc aagtgtttga gtgccttttg attagttttg atgataaagt 180

gttgccccag aaaataatgt tgccatttct tgactgcaaa caaaatggca ttgaacttct 240
 tttcatatgc agacaaaagc tgggtattttg gcccattgc tttgctgata taagctattg 300
 gatgaccttg ttgaattaag acatccctaa tgccaattcc agaagcatct gtctccacag 360
 taaagggttg accaaaaatca agtaaggcca gtataggggc tgagatcaag gctttctttt 420
 gtggaagaaa agcccttttt gtgtcccatt ccacttgaag tcagtatttt ttctgaagca 480
 actgtgtcaa aggttgagct atcttcccat aatttttgat aaatctcatc taaaattctg 540
 ataacc 546

<210> 11330
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 11330
 ttgagccaat tcaaacgaca ataacttttt actcggatgt ctgattgagt cccgtcatat 60
 atcgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaagcgac aatatctttt 120
 tactcggatg tctgattgag tcctgtaata tatcgagacg ctcgaaattg aatgttgaag 180
 ctctgagcaa attcaaacga cattaactgt tttctcggat gtctgattga gtctgtcat 240
 atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg acaaataact 300
 tttactcgga tgtctga 317

<210> 11331
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 11331
 gctctttcaa ctgcacaagc ctattgatat ttgcagagta ttcttgtgga accttcaccc 60
 aacgaagaca ctgacaaaaa cttatcttct ccttcttgga caaaatatgg caggctgggtg 120
 gcaagtaaatt tttcttccca tcagaccttg gatgcaactg tgatcgtata cccatatcag 180
 ctagatcttg acgggtattc aagccatcct tcgtcttgcc ttgaatgtta aggagcatcc 240
 caatcacact gtcacaaaca ttcttctcca catgcataac atcaatacaa tgtctaactg 300
 caagatcaca ccagtactaa agatcaaaga aaatggacct cttcttccat atgcaactct 360

gactattatg cttcttttgg gtctatccaa atacagtatt catgtgttga acccattgat 420
 atacctgctc acc 433

<210> 11332
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 11332

ttctattgga taagattccc ttaaaactat tacttttact tcctataatc taacgggtaa 60
 atttatacct tataacatat ttataaaatg aaaaaaatta caactattaa taaataatta 120
 aagaatattt ttttaattta tgaatttttc tgtttattgt agtttaacac atgattaaaa 180
 aattcctacc aatattcatt atcattgtat aaaacaaatc tactctttat catggaaaag 240
 ataatagtgt ggaaaataaa aaa 263

<210> 11333
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 11333

atggtgttat cgattacaat atattggtga tcaattacca gtgtatctga acgttgtaat 60
 tcaaattcaa ttgtgaagag tcacatcttt tcataaaatg ctttgtgtaa tggattacat 120
 ggttttggta atcgattacc agtgacaagt tttgaataaa aagtcaagag atgtaactat 180
 tccaatgggt tttaggttgt ctcaaggcta taactcttcc aatggttctc ttgaccagac 240
 atgaagagtt tataaaagca agaccttgat tttcatttta taactttttc ataac 295

<210> 11334
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 11334

agaatggtca taagctttca ctcgagggtt ctattcatgc gcataatata tcgagacaca 60
 cgaaataaat caacagaagc tctctagaaa ttcaaatggt cataactttt cactcggagg 120
 ttcgattcac gcgcataata tatcgagacg caccgaactc aacaacggaa gctctcgaga 180

gattcaaattg gtcataacct ctactcaga tgtccgattc aggcgcataa tatatcgaga 240
 cgcacgaaat tgaacaacag aagctctcga gagattcaaa tggtcataac ctttctactcg 300
 gaggttcgat acatgcgcat aatatatcga gacgcacgag attgatcaac agaagct 357

<210> 11335
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 11335

cttcttgaag gtggcagtcc atgaggaatc tccttgggaa agacatcttt aaattcctgc 60
 aataagggtt gaacactatg agaaacataa atagttaact gattagaatt atcactctct 120
 ctctcttggtg tatcactctt ttcctcaggt gtatcactct tctttttcgt attccattgt 180
 ggcgcctcac tattttcttt ctcttggtca atttcgagcg tctcgatata ttatccgcct 240
 gaatctgacg tccgtgtgaa aagttatgac catttgaatt tctaaagagc tttccgttgt 300
 caatttcgag cgtctcgata tattatgcgc ctgaatc 337

<210> 11336
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 11336

aatgaagatg atcaaaaaag tattagtga tttgtgtttt tcatggggaa tacgaccttc 60
 acttggatgt aaaaaagtac tcgatagtca ctcttttgac ttgggaggca gaatacgtag 120
 cagctacttc atgcgtttgt cctgtagtct ggcttaggaa tttgttaaaa gagttggaca 180
 tgtcacaaga cgagcagacc aagacctttg tggataataa gtcaaccatt gctctagtaa 240
 agaaccaggt gttccatgat cgaagcaaac atattgacac tcgttaccac tacataagat 300
 agtgcatagc aagaaaggat gtacatccag aatatgtgaa gtctcgag 348

<210> 11337
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11337

tgttanaaga atgggttcag aacgctataa acctctttat gttacccttc ttgggctact 60
ctgggcttgc aatcatgcc a gtcttggtga tgagggttac tcatatttca atcgggacctg 120
gcttgacagc cccaggttgc tgaagtctga gcattatgct tgtatggtta acttgctcgc 180
tcgctctgga cggtttgcag aagctgagga ttttcttcac agtgtacctc ttgacctgg 240
acttggaattt tggaaggcat tgcttgcgag gtgtcaaata cactctaacc tgaagttggg 300
agagctggca acaagaaaga ttctggctct ggatcctgat gatgtatcgt catatgtgat 360
gttgtcagat gctcattctg caacaggtaa gtggtcagat gtggcaaccg taatgact 418

<210> 11338

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11338

ctaagcctgc caacagagtg ctaggttctt tgcactngat ggtctatntt tatcagcata 60
tactaaggaa tcacatctag aaagcttagc aaaagggtgtt ttaatcgtgt tatcaataga 120
tactaaatgc ctttcaacaa gatttgctca tcattttctg ctcaaaattt gtacaaatac 180
acttcattgt cagtctcaga taaataaata ggtgctattc tatgttaaata gttatatcat 240
atataaaaaa atcaatattt tctctgtaat attaagttat tctgattcac tatcctaaag 300
aagcgttgat gacttatagt ggtaaacaaa ccaaatgaaa ttattttcac atgatctaca 360
gttccttttt taaaacaata tgaaaatcta attcttaaac agataaagggt tggtagccttg 420
acataactat ggatttcacc tctcatttga tggcatagaa cttgagaatt ttataaaaga 480
acttct 486

<210> 11339

<211> 454

<212> DNA

<213> Glycine max

<400> 11339

ttccaatttt gaatgggacc aaagtaatgg attgccttct acgtttcttc ctaaactatt 60
gggattttga ttgggtattt ctctcacttt tagtcaaagt tcataaaaaa taatttgact 120

ttgaaaaaaaa aggaaaatat gaataaatat ttaatgtgtc aaagatttaa aatatatact 180
 ggttcaagtt ttaaccatta aatatttatt tactacacat atttgatatt attaaaaagt 240
 caatgaagtg aataattcat aattacaaat aattttcatg aaattaatat aactagtatt 300
 ttgacctatg gattaaatta tacttttatat ctataaaaaa aaataaattg caatataata 360
 ttacttttaa ttattggtgg ttttttaaaa atattaaaaa ttatttatag agaatttaaa 420
 ggataaggat aaaatgatag ttgagatata ttct 454

<210> 11340
 <211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11340

tagcatcaa tatctgctcg ggagtatccg ctcttactgg agctctatga acccatttca 60
 ccaaattctac accttcacca aaatcctcat caactggtag tctagttgta aggatatgca 120
 gcagaacaac accatagcta taaacatttc ctggtgctgt gacttgcata gtatatgcat 180
 attctgcatt acagaagaaa tgtcacatga agcatgctaa acataataaa agttaagagt 240
 ttaattttta tgcaatgtca gtataatttt ttttaccctc tcaatcaatt aaaaatcatc 300
 attatggttt ttaacgtaat attgtaaaat caacanacta accatacatg acgatttgtg 360
 attattagat gatagtgtan agactatnta ctatanagag taatacgaag aat 413

<210> 11341
 <211> 506
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11341

cgtcttctac aaataaatca naatcgatcc tctaattctc aaagcccatt tctagtttct 60
 ttcttcccat gtcaactaca cagcttgtag ttaacataaa tggctcttccc aagattaagg 120
 gaatgtcatt atcttcacag atatcatta caacaaagtc tgctgggaag ataaaatggt 180
 ttactctgac caaaacatct tcaattactc catatggtat ggtaatggag cggtcagcca 240
 actgtaaagt cattctagtg ggcattgatt ccaactctcc cagtcttctg cacatggaga 300

gtggcatcag attgatactg gctcccaagt caatgagagc ttttcccact gtgacttcac 360
ctattgacca aggaatgggc acactcccag ggtctttgtg cttcgggtgga aagattntct 420
ggatcacccgc actagcatta cctttcataa ctatattctn ctggtgaatg tacttgtgct 480
tctttgtcaa catgtctttt aaaaac 506

<210> 11342
<211> 442
<212> DNA
<213> Glycine max

<400> 11342

tgatgttcgt tagtcgtcat tggatgtcga gagtgtcatc ttgttggatt ctgagaagaa 60
gatcaataaa atcttgggtcc tctaattcag ctccatcttc ttttgcaatt ttgttctttt 120
cttgatgctc tctgatgatg ttttccagga ccttgtcaac ctgcttgtgc aacttcttca 180
atctgggtcat ctttccagtt aggaaatata agaatggaat tgaaggaaag acatcaacaa 240
ggtcgaatcc tccccggat tctacgattt ttcggatcaa agacacaaca aactcatctt 300
gctccttgta tatgccaccg aatgctaccc tggaaataga ggcacatatc aatgagaaaa 360
ttctactggg gagaatgata ggcgaaccag cagattcgcg aatggagttg ataaactttg 420
ctgcctcgtc ttctctaattg ga 442

<210> 11343
<211> 364
<212> DNA
<213> Glycine max

<400> 11343

acatctcttt ttataacatt aatctcttta atcctctcat ttgtactaat tactttatct 60
tacatttttc ttccttttct tctcatctcc ttttctatta aaaaagttgc ctgattttgt 120
tatataaatg caatttctct tttcatttta ccaaacttta tataaagata ttttatttgt 180
ttcaccagga catatttgct gctggaactg atacttcaac atcaacacta aagtgggcta 240
tggccgaaat gatgagaaat ccccgagtga gggagaaagc accagctgaa ttgagacaag 300
cttttcgaga aaaagaaata attctgaaag tgatctaaag caacttactt atctgaagtt 360
ggtg 364

<210> 11344
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11344

aattgagtat tgtaatatat cgagacgctc gtaatggaaa agagaagctt cgtataaaat 60
 gcaaatcgca anaactttta actcggatga acgattgagt cccgtattat atcgagacac 120
 tctatattga aagcagaagc tctgagcaaa ttcaaagcag aataactttt gactctgac 180
 atccgattga gacatttatt aattcgagac gctcaaaatt gaatacggag agcgtctatg 240
 gaaactccaa tgacaacaac ttttgactcc gatgtccgaa ttgagtccta ttataatttg 300
 gaacgctcac aattg 315

<210> 11345
 <211> 172
 <212> DNA
 <213> Glycine max

<400> 11345

cgcctacatt cagtcctcaa gcaaccact tgagattttc cactctctct ataaaactcc 60
 ttttacaaag tctgaaccac acagggacaa cccttccctt gtgttcaaga atcctctaca 120
 acaagagact ctcagtctct taatcccttt tcacgagtac gaagaagaga ag 172

<210> 11346
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 11346

tctatagaac gttcattcct aatttctctg caatagcatc acctctcaat gagatagtga 60
 agaagaatgt ggcataatcc tgcggtggat aacaagagca agcctttgct gggctcaaag 120
 aaaagcttac taaggcacct attgtagctc ttctgacta tgctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg tgacgtagag ctgaaatgtt acaatgtggg caccctattg 240
 cttatagaag tgaaaaacta catggtgcc aaccttaact cccacctat gataaagagc 300

tatatgcctt aataagagca cttcgaactt gtgaacatta ccttgtttac aggaatttgc 360
attcataatg atcataatac ttaagtcatt agaggaaaag ca 402

<210> 11347
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11347

atttgatgta tcatgttcgt ggtatttttg catagcacct aacatccctc cattggtagg 60
tatctggcac caaagagcaa gcggttagct tctatgatca atcgcaaagt caataattgg 120
aaaaacaggc tatcacggat acgactgtta cttcctgcac ttcccataat ttcatttttg 180
aacgagcttt ttgataaagt aatgggaatt gtaggaagtc ttaccacgga aattaattaa 240
taatacttac taaatttcca taagcccaat aacctccaat ggcaagggga aacaaacaca 300
aggcgatgac tatgtaagca aacataacac ctttccacat ggccaagcgt gagggttgct 360
tancatccga aggcattggtt ccctacaatt ttgaggggga caatttagca acaataaatg 420
ctcttaactg tgtaaatgca gaacaaatgt ttgaccatgc aatacttnta cgtacct 477

<210> 11348
<211> 413
<212> DNA
<213> Glycine max

<400> 11348

gacctataaa actaagctaa cattggccaa gaaatcacta tttataataa aattggttac 60
taaaatttaa aagcactctt ggagcttaat tatatacacg ttaataagta aaggctactc 120
accttgata atgatctcct tgtgtcaatt ggcgcagact gaatgcactt gtctattaca 180
actggcaaag ggggtggtaaa gtcactgcc a tatatctcag gattaaagaa aatctgcaga 240
aatcatatgg aaagcataca gatatgttaa tatgactgat cctgttaaca ttatgaccca 300
tactgaacc atggattagc tccacaatta gaccaaggca ctactatatg ttcattaatt 360
cttcagtagt ttaaggaaca agatcaagtg gaactaatag ctatacatag ata 413

<210> 11349
<211> 470

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11349

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acgctttcttg ctggacccgc catgatgagt ggcaccactc gttgggtctg aactgcctc 120
catgtcctcc cttgaggact gggccccacc actgcccctt gatctggagg ggagtgccag 180
tgtggcgcat tgttgccctt gcacacggtg gtagccact tgctcccat tgtacgctgc 240
ctacggcaac ggcgagtggg ggtagtcagg caccatgtac gtgtcattgg ggggtctcctt 300
acaatggaag tttctgtggc agttgcacac gaggcattat agcgcgtcca ggggtccctc 360
ctcggccaga ggcaagaact tgatgcatcc atcaagtgtg tggccgtcaa ttttgacgat 420
gtgggttcttg acgcactcat gatacttctc attgtcattg ttttttaaac 470

<210> 11350
<211> 461
<212> DNA
<213> Glycine max

<400> 11350

tcttccttgg tcgggtacat gagcatatgc aatgctcttc tttgctctca agtggtaaac 60
tctaggttc actccacttc atgcttcttg tgggtgtcga tctttgacat tctttgttgg 120
ggagcgattg gacaaataaa ctgcacatgc aacagcttct ggccaaaata actttggcat 180
atttttagcc ttcaacatac atctagtcac attatgaata gatctatgtt ttctcttcgg 240
taccatcttt tgttgtggag atctaggaac cgctagaggg cgacgaatcc catatttttc 300
acaaaattca gtacattctc ttgatgtgaa ttcgtcacct ctatcggtac ttatagcttt 360
gatcacatag ccactctcat cttgcactag agctttataa ttttacaagc tacaatgcct 420
cagatttttag tgtagaaata aaccaagtc ttttactata a 461

<210> 11351
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11351

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acgaagaatt ctttttgagg cctatagatg aggagaggta ggagcctctg taaagcgaca 120
cacaactccc accgcatata gaatatcggg ccttgatttg gttagatacc ttaaactccc 180
cacaagactc ttgaagactg tggagtctac cttctctcct tcatcaaact ttgataactt 240
caagccacct tccatagggtg tgttcacggg attgcaatca agcatattaa atttcttcaa 300
cacttctttt gtgtagcttt cttgtgagac aaagatacca ttctcgttt gcttcacttc 360
cattcccaag taatatgaca tgagtcccat atctgtcata tcaaattcac gagacatgga 420
ctccttgaag tctttaaaca aa 442

<210> 11352
<211> 251
<212> DNA
<213> Glycine max

<400> 11352

tcctttaggc tgttttgtgt aaaactcttc ctctagatga ccattaagga atgtcatttt 60
cacatcattt gatgtaactc aaagtcaaaa tgagctacta atgtcataat tattogaaag 120
gaatctttct tagatacagg agaacaattc tctgtgtaat caatttcttc tctttgagtg 180
aaccatttg gcaacaagtt ttgccttatg tctctcaatg ctgctcactt cccattggcc 240
tcccttagtt t 251

<210> 11353
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11353

actaagcttc tacattcatt tcgagctttt cgatatatta ctgtactcta ttggacatcc 60
gagtaaaaag ttattgtagt ttgaatttgc tcanggcttc cgtattccat ttcgagcgtc 120
tcgatatatt acgggactca atcgacatc cgaggaaaaa gttattgttg ttcgaatttg 180
ctcagagctt cagtattcca tttcgagcat ctcgatatat tacaggactc aatcagacat 240
ccgagtaa at aggtattgtc gtttgaattt gctcagagct acaacattcc atttccagcg 300

tttcgatgta ttacgggact caatcagaca tccgagtaaa aagttattgt cgtttgaatt 360
 tgctcagagc ttctacaatc acttcogagct tttcgatata ttacgggact caatcagaca 420

<210> 11354
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11354

tgagttaaca tgttatctnt tcaatcacag acacagattt ctctcccttg ttatcctcaa 60
 aattaaaatg gtttatgggc atttagaaga tcaaaataga aaaattgaac aagtatatca 120
 taaactcccc aacagctagc actagtgtcc catagtattg ggaaatccca catagccggc 180
 ctcaattatt gggatgtgat ttatatatct gttgggcaac ttcacttaag ccatttgatt 240
 ntaagaagga atctaaaatg gtatcaaagc ctaaagccca tttctgtcat tcccatagta 300
 ttgggagggg gcaatataaa caaccaattc acatgccagg tgggggcaag aaacagaatt 360
 gggtagtggg gataggat 378

<210> 11355
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11355

ttcgttggcg aaagcggctt ccgcggggcc gtgcatcttg tgcttgacga tgtagacgct 60
 tcccgtgcmc gagttgcgga tgccgttggc gcccaaacc ttgatgtcat ggacggcaat 120
 ggccgtggtg accatggcgt ccaggatgcc ctccgggatt tccttgccgt tgccccagag 180
 gatggccggg ttggtcatca ggtggccgac attgcgcacg aacatcancg aacggccatg 240
 cagcttgacg ggcttgccat cggcgcccggt gtactcgagg tggcggttca ggccgcgcgt 300
 catgctcttg ccgccccttg cgaagggttc ggtgagcgtg cccttgagga tgcccagcca 360
 gttggcatag ccgaccacct tgtc 384

<210> 11356
 <211> 460
 <212> DNA

<213> Glycine max

<400> 11356

tatcgctgg aagctggcca gctggtcgtc gactcaaga gcggcggcac cacgggcctg 60
aagaacaccg cccagttcgt cggctaccag ggtgatgccg cagcgccctc ttccgtgctg 120
ctgctcaaca acggcctgca catcgacatc cgcacgaca agaccacggc catcggccag 180
accgatgccg ccggcgtggc cgacgtggtg gtcgaagccg ccctgtccac catcctggac 240
ctggaagact ccgtggccgc cgtggatgcc gaagacaagg tggtcggcta tgccaactgg 300
ctgggcatcc tcaagggcac gctcaccgaa accttcgaca gggcggcaag agcatgacgc 360
gcggcctgaa cggcgaccgc gagtacacgg gcgccgatgg gcagcccgtc aagctgcatg 420
gcccgtcgtc gatgttcgtg cgcaatgtcg gccacctgat 460

<210> 11357

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11357

gtccagggtcc acatgttaca tttatgatag tgacttcttt gctcccatca cctagagata 60
tgcaatcatc accggtgcca atctttgagt tagtaatttt cactcgagtt gattttccaa 120
tgtgaattcc atctgtatta ggactatatg caggtgaact aactctgaag tttgtaaatg 180
aaatgttctt gcatccaaaa acattcacat ganaatatnt gctatccttt gaagtatgtc 240
ctgaattact gaattatcga caaagccaaa gccaaaattc tgtggaaaat attgccaaaa 300
gtacataata gttaattnta cgaaaggtaa tgaaaatgca ttagtacata ctaatttcaa 360
ta 362

<210> 11358

<211> 361

<212> DNA

<213> Glycine max

<400> 11358

aaaagccaaa tgaaatagct gaattcatgc acaattggga tgaaatttaa aattggcatc 60
atccttgagg ctgctcatat ctctggaaaa gtactccaaa caaaacacaa acaaataagg 120

ggagagagga ttcccttgtc taagaccctg ctgcccttg aagtggccat aaatggatcc 180
attgactgtc aactaaagg aagtgaaga aacacattcc atgatccaag tacagaactg 240
ggctgggaag ccaatggact taagcatcca atccaagaat tcccaggaaa tggaatcata 300
agctttatgt aagtcaattt tcaagaggca tctcggagag gatcttttcc gtgcatattt 360
g 361

<210> 11359
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11359

tcaatacagt gacaccagt tngcaacata tgagctgact aagtctttng gatgggatac 60
atatgattct ttcatgcagc atgatgttca agaactaaat cgggttcttt gtgaaaaact 120
tgaagacaaa atgaaggat ggcaagagtt ttggaatatt tgttcatgat tattcttgat 180
gggtgaccat atcaaatggg tgctttgtgt tatttgtctt cacggaactg ttgttgaggg 240
aaccatacaa aaattatttg aagggcacca tatgaattac atagaatgca tcaatgtaga 300
ctacaaatca actagaaagg agtcatttta tggtaacttc ttatgcattg tgaattcaat 360
tatatgttnt ggtcttcctt gntatgtatt tctaatttaa gtttgcatat 410

<210> 11360
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11360

mnggctagcc caaatctgat atcttggggc agaacttctc atcctaaaga atgttatgtg 60
gttntatgtc aaaatgcaaa attcgagtgt tgcattctat atgcaagtat tccaagcctc 120
tagctatacc aattgcaatt tcatatataa tgtcccaact caagggtgca atggttacag 180
gtccttttct ataaatgagc ttgtcaaggg acccattgtg cataaattca tagatgagaa 240
ctctcttgcg gccttccaaa ctgaacccaa gaagagtgc aacattaata tgagaagttc 300
tactaatgct agcaacctcg ttcataaatt cttcaccatc ttttgttgat gcattcaata 360

tttntacagc cacaggagcg ccattgggta gctttccttt gtagacagag ccaaaaccac 420
 cttgccccag ttntactctt gaagtatttg cattntcttg acattgacaa ttatatcttt 480
 tagaagtata caccatg 497

<210> 11361
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 11361
 atagggctcg cgttctaata tttttaaatc tagcttcac actccgcttt caatacaaaa 60
 tcgatgttaa ccaagctatg taaacgttaa catcggtttt attccgatgt taacatttga 120
 taagttaaca tcagtttgtc ataaaatcga tgtaacgaa ctttcattaa gatcggtttt 180
 ataaaaatcg atgttaatga agtcatgtta acatcggttt ttaaaaaccg atgttaacgt 240
 aagtttgttt acatttgatt tttccccaat cgatg 275

<210> 11362
 <211> 213
 <212> DNA
 <213> Glycine max

<400> 11362
 cccttcagat accttaatat ttgtctgcc actgtccagt gagaatccaa aggagcggcc 60
 ataaataggc aaactttgtt gacaacaaaa cttatctcgg gtctagtaag gagagcatac 120
 tgtaatgcac caactacata cctgtataag gctggatcat gaaaagcatc atcaccatgt 180
 cgagacaact tgcagttgga taccattgga gaa 213

<210> 11363
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11363
 tataaaacta agcttgaggc aaactggatg cgttggnat ctttgnacc ctgctggcct 60
 cgaatcagaa atctgtacct gtcgaaggg tttgtggtct gtgctcctct actgaccacc 120

atacagacct ttgcccttcc atgcagcaac ctggagcaat tgagcagcct gaagcttatg 180
 ctgcaaatat ttacaataga cctcctcaac ctcagcagca aaatcaacca caacagaaca 240
 attatgacct ttccagcaat agatacaacc ctggatagag gaatcacct aacctcagat 300
 ggtccagccc tcagcaacaa caacagcagc ct 332

<210> 11364
 <211> 283
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11364

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 gtnatananc gagacgctct aaattgaatg ttgaagctct gaccaaattc aaacgacgat 120
 aactttttac tcggatgtct gattgagtcc cgtaatacat cgagacgctc gaaattgaat 180
 gttgaagctc tcagccaatt caaacgacaa taacattnta ctggatgtc tgattgagtc 240
 ccgtaataca tcgagacgct caaaattgaa tgttgaagct ctc 283

<210> 11365
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11365

ntgatgcaac attcggagag gttaatgaaa caacgagatg atgcgctcta tgagagggtg 60
 gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
 gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttctccatt taaaggaaag 180
 aatgatctgg aggctactt ggagtgggag atgaaaatag accatgtttt ctcatgcaac 240
 aactatgagg aagaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca aaacgagaga gcaagaaatg aagagccaat ggttgatata 360
 tggacggaga tgaaaaagat catgaagaag ccgtatgtgc cggctagtta ctcaacggac 420
 ttgaaattca agctccaaaa actaa 445

<210> 11366

<211> 365
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11366

acctcggata tcttaagaag ggggaggggg ctgaattaaa atatcaaaga ctattcccca 60
 attaaaaatt taactctctt tctaaattat taatgcactc ttaatatgaa ttactaaaaa 120
 cacaattcaa aatataactt ctttaaagca aaagatatat gacaataaat aaaagaattt 180
 taagggaagg gagaatacaa actcaanttt atactagggt ggccacaccc ctgtgcctac 240
 gtacattccc caagcaaccc gcttgagagt tccactatct tggaatatcc ctttacaatg 300
 tctgaccaca caaggacacc cttctttgtg tcagatacct tacacaagag acctcgtctt 360
 tatca 365

<210> 11367
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 11367

ccaaaaagtc ttaatgaggc gatgaacata ttgtgtacca tgggtctgga gtatcaaaaa 60
 attgatgcat gtcttaatga tagcatactg cgtttatatg aatttgaaga aatgcctaaa 120
 tgccgcatgt gtgggggtatc acggtacaaa gtgaacgatg atgaccacgg taacaatgat 180
 gaaagcacia agaatcgcac ttaacaaagg tgctatagaa acttctatc attccaacgt 240
 taaagcgtct gtttgctaatt ggagatgaca caaagaacct tacatggcat acatatggga 300
 taaactgca atggaatgca tcaccatccg actgattatt ctcaatggaa gattaatctg 360
 ctgtattcca attcaag 377

<210> 11368
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11368

tactntgaat attgtgattt aatatgattt atgcttggtt ttatatatag aggtagttat 60

ttatattaat aatttgtgta aataatattg tagagtgtta tagtatgatt ccaaaaatta 120
 ttaagtgttg gagtttgaga atattatggg taaatttcat gaacatgtgt atgttgacc 180
 ttatgaatat cattgggaat gttatgagat ggttgatgtg atgttatgag atgttaaagt 240
 gtggacatga tattcgattg tgaataagtg gatgtgttaa catttgatgt tacattaatt 300
 atatcgtgag ctatgaatta tacaataacc cgaccagtgt ttatgcgcag tgttaaagag 360
 aaaatgtagg ttccaagtta ggaaccagtg ttaaattgta gcgcaattgt gttaaacatg 420
 tttgaaacaa gagtgtgag 439

<210> 11369
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11369

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 caattgtttg agttagaaga aatgaggatg aacgcctatg aatcattcaa gatttataag 120
 cagaagataa aggcataatca tgataagaag ctacagagac agaacttcca actaggccaa 180
 caagtcttgc tcttcaattt cggactcagg ctatttcctg gaaagctaaa gtcaaagtgg 240
 tcaaggtcgt tcatgatcaa agaagtaaga ccctatgaag ctgtggaatt ggtggaccct 300
 acgataagaa ccccgagagaa aagatggatc gtcaatggac aatgcttaaa aattttaaatt 360
 ggaggccagt tagaaagata acaagtgttg ctacctgaac gatcataaat 410

<210> 11370
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11370

gttagaaaga tgactcaaag ctgtagggat tgatccagat aaactgttat tggccaaatt 60
 cagaatttac aagatgttat tgaagcatgt tgtttgatgc tgcaaatttt tggagctctt 120
 cacagccttc aatctgttca ggtatgtggc cattaatgct gttcatttgt acatcaagag 180
 atattagatg cttcaatttg ccaattccan agggatgct tccatctaag tggcagtagc 240

ctagaggcag atagaattca agctaaccga actctgaagg gatggagcca gaaagagaat 300
 ttgagacaaa tcaagtgttt gaagagaagt gaacacaaca cacagt 346

<210> 11371
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 11371

agcaatcaat actaaaattt cttcatttat cattatcttc aataggagat agaggcgaat 60
 ctatttttagt tggaaactat acctttaatc aagatgttgc taggatggaa ttgacaaaga 120
 tgattgcatt gcatgaatac cctcttgcta tggttgatga cattgggttt cgaagggttt 180
 gtaatgttgt ccaacctttg ttcaaagtaa tatcccgtaa tacattgaag ttggatatac 240
 taaagttcta tgagagtga agggccaaaa ctatgaagct aattcaaaaa aattcaaggc 300
 acctagctat aacaacagac atgtggactg caacgaatca aaacaaaggc tatatgacta 360
 ttacaaccga tttcattgat aacaattgac atttgaaaag tcgacttatg aggtaaataa 420
 tcattcactt gaaagttcta tgattctaatt ttat 454

<210> 11372
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11372

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 taaaaactct ttctccttat atcaacacgg tctatataac aactctagtc ctgttcaaag 120
 attttttttt cgtttttcaa catacacttn gtgggttatac aaaaatttct ttatatacat 180
 tcattgctca cacacaagaa tttcttttca cacattatctt acacacacac acaaaatctt 240
 tccatacact ttttacatat aaaaaactct tttcttttct ttataaatac gacatttggt 300
 cacaatgcct ctttctttnt caattcttgg tggtatcatg attttt 346

<210> 11373
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11373

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ggtcactaga gttgacaaac tcaatgggtga gttttcctga gagcactttc tctctcacia 120
aatgacagtc ttctactgtg tttagtccat tcatggaaga ccggattaga tacaatgtgg 180
agaacggctt gattatcgca aataagattg gtggcttgag tgtctccaaa ttggaactgc 240
tggagaagtt tccttagcca tgtaatttca cttgtagttg caggcatggc acggtattca 300
gcttcagcac tggatctagt gactataatt tgtttcttgc ttcccatgg gatcaaattt 360
ccttcaataa gaacacaata 380

<210> 11374
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11374

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atttattgtc gtttggttg gctcagagat ttatatatta atttcgagcg tctcaatata 120
ttacgggact cattcagaca tccgagtaaa aagttattgt cgtttgaatt agcttagagc 180
ttcaacaatc aatttcgagc gtctcgatat atcacgagac tcaatcagac atccgagtaa 240
aaagttattg tcgtttgaat tggctcacag cttcaacatt caatttcgag cgtctcgata 300
tatgacagga ctcaatcaca catccgagta aaaagttaat gtcgtttgaa ttggctcaga 360
ggttcaacat tcaatttcga gc 382

<210> 11375
<211> 155
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11375

ccgccagtgc gcgttggtac atctcttggt tatctatgtg gcggtgtcta ttnattcagc 60
ggaatagtga gtgcacttta tggccgcgaa aagagccaga gaggggcgca tgtcgatata 120

tcgatgtttg atgccacgct gagttttctg gagct

155

<210> 11376

<211> 115

<212> DNA

<213> Glycine max

<400> 11376

cgacatgcgc ccctctctgg ctcttttcgc ggccataaag agcactcact attccgctga 60

ataaatagac accgccgcat agatccgcaa gagatgtacc aacgcgcact ggcgg 115

<210> 11377

<211> 359

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11377

agcaccgcag ctgcagcttt ctaatcgncg gaaggatgat tgagttatta aagcggcgac 60

gcctactgga gactatTTTT ctcccatggt tcacttgagt gtaacttgta ttttcttcac 120

agatagggca tgcgatgatga cccttaacac tggaaccgct gagattccca tatgctggga 180

agtcattaat ggtacaaaaa agcattgcac gcattttcaa cgtctccttg cgaaacgcat 240

caaacactac aacccccctg tcccacaact ttctcaaact ttcaccaacg gacttagata 300

aacatcaatg tcatttcctg gctgtccttg gcccgatata atcatagaca acatcatgt 359

<210> 11378

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11378

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agacccgaag aaaactggcc tcaccgtgat aaaaaatgag aaggaggagc taattcctac 120

tcgggtgccg aacagttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180

aaaggaccat tttccactgc ctttcattga ccagatgctt gaacgcctgg catgtaaatc 240

tcactactgt ttccttgatg gtttttctag ttatatgcaa atcactattg ctctgagga 300

tcatganaag accacattca cctacccctt cggcactttt tcctatanga ggatgccttt 360
ctgcctgtgc aatgcccct 379

<210> 11379
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11379

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aatnatgacc tttcaagcaa cagatacaat ccagggttga ggaatcatcc aaatttgaga 120
tggacaagcc cttcactaca acaatagtct atccctcctt ttcagaatac cgctagtcca 180
agcaagccat atgttcctcc tccaatgcag caacaacaac agcagcaaca acaaagacaa 240
caagcaactg aggcccctcc tcaaccttcc ttagaagagt tagtgaggca aatgaccatc 300
cagaatatgc aatttttagca agagacaaga gcctccattc agagtctgac aaatcagatg 360
gggcagatgg ctactcagtc gaaccaagct tagtcccaaa attctgacaa cttgcgttca 420
caaaactgtgc agaatccgaa aaatgtgagt gtcacacct 460

<210> 11380
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11380

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cccagttctg tacttggatc atggaatgtg tttcttccac ttccttttagt gtgtcagtca 120
atggatccat ttatggtcac ttcaaagggc agcgggggtct tagacaaggg gatcctctct 180
ctccttatct atntgtgctc tgtttggagt acttttccag agatatgagc agcctcaaag 240
aagatgccaa ttttaaatat catcccaact gtgcaagaat tcaactatct cacttgtgct 300
ttgcagaaga tattatgctt ctatctagag gagatatccc ttc 343

<210> 11381
<211> 448
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11381

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tagtggacaa tgtagttgag ccttgcatct tgcataattca tgttactaag ttagcaccga 120
taaagtaata gcttccacta gtgcttttttc tttcaacttt atcaccaaca tagtcaacat 180
cataatagct tgtaagtctg aaacttttctc ttcttttgaa cataagacca agattagaag 240
ttccaattaa atatctacaa atatgttttaa ttttagttag gtgaacttcc ctttgttctt 300
tttgaaatct tgcacataga taaacattga acataatatc agaaatggat gcagtgagat 360
agaccagtga gttgcatcca ctttttttga tccttggtcca atccaaggta tgtcatggtg 420
tgcattggag tcttcatttc ttttcac 448

<210> 11382

<211> 465

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11382

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tcatttatca actacaataa cattctaaca tagaaccocat catggatatt taaagcgtaa 120
aatttgaaag aaatttcctt tctcaattta atcaaaatat catttgaagt atcacaacaa 180
atttctgatg aagcctagac ggtcaaacca tcaatttgaa atatgattca tcttaataaa 240
tatgttcggt aatttccaaa caaatgagaa ctatgaaaaa tctaagctca taagaaaata 300
taaacaagtg tgatcaaaat ttatgatttt caataaattt caatcaatat taaagtgtgt 360
tccaaaaaat atattaaaga atgtgttatt aacatttttc tataacagaa atataatcac 420
caacaatctn caatagtttg tccccactgg ctctaagtcc tccat 465

<210> 11383

<211> 373

<212> DNA

<213> Glycine max

<400> 11383

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tagtggacaa tgtagttgag ccttgcacatc tgcatattca tgttactaag ttagcaccga 120
taaagtaata gcttccacta gtgctttttc tttcaacttt atcaccaaca tagtcaacat 180
cataatagct tgtaagtctg aaactttctc ttcttttgaa cataagacca agattagaag 240
ttccaattaa atatctacaa atatgtttaa ttttagttag gtgaacttcc ctttgttctt 300
tttgaaatct tgcacataga taaacattga acataatatc agaaatggat gcagtgagat 360
agaccagtga gtt 373

<210> 11384

<211> 398

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11384

agcttaacat aaggcatgcg aagttgggta tnntttatag caatnccctt atgnnatcaa 60
acataaaaag ggaaaaggta atattgtagc cgatgctctt tctcggcgctc atgcattact 120
ttctatgcta gaaacaaaat tgattgggtct tgaatgtttg aaaagcatgt atgaaaatga 180
tgaaactttt ggagatattt ttaaaaattg tgaaaaattt tcagaanatg gtttcttttag 240
acatgaaagc tttcttttca aagaaaacaa attgtgtgtg cctaaatgtt ctactagaaa 300
tntgcttggt tgtgaagcac atgaaggaag tttaatgggtg cattttgttg tccaaaagac 360
tctaaaaaca ttacaagaac atttttattt gcctcata 398

<210> 11385

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11385

gacaagnggc ctcagatatc ttaagaaggg ggggttgaat taatatattc caaactcttc 60
tcctaattaa aaatctatct tactttttac ttaagttatg aattccctta atgacaatct 120
tcttaaatat taattcaaat gaagcaactt gaattatgaa tataaagcaa taataaataa 180
aggagattaa gggaagagaa aatgcaaact cagttttata ctgggttcggc cacacccttg 240

tgcctacgtc cagtccccaa gcaacccgct tgagagttcc actaacttgt aaattccttt 300
 tacaagttct aaacacacaa ggacaaccct tcctttgtgt tta 343

<210> 11386
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11386

ntggagaacc aagccaatca gaatgctagt tgtaatattg atgggaatag aggtaacaat 60
 ggcggtaatg acggaccgag gcagaaccgg gttgaggag taaagctcaa tgttctctcc 120
 ttcaaaggta gaagtgatcc agatgcctac ctggactggg aaatgaagac tgagcacgta 180
 tttgcctgca atgactacac tgatgcgcag aaagtcaagc tagcagcagc tgaattctcc 240
 gactatgccc ttgtttggtg gcataaatac caaagagaaa tgttgagaga ggaacggcga 300
 gaggtagata catggactga gatgaaaagg gtgatgagaa aaaggatatgt gccactagc 360
 tataacaaaa ccatgcgaca gaaac 385

<210> 11387
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11387

agcttctata naagccaatc ctattcactt ggatgnnnga nncggggaca caatatatca 60
 aggcgctcga nattgaacag cggaagctcc cgagaaatc gaatggcat aacatttcac 120
 tcggatgtct gattcgtgga cataatatat cgagacgctc aaaattgaac agcggaagct 180
 ctcgagagat ttgaatggtc atacctttac acacggatgt ccgattcggg gatataatat 240
 atcgagactc tcgaaataga acaatggaag cgctcgagaa attcgaatgg tcataacatc 300
 tcacacggat gtctgattcg tggacataat atatcgagac gctcgaacat gaacagcgga 360
 agctttcaga aatatgatgg gcataccttc tacacggagg tgcgactagg gatat 415

<210> 11388
 <211> 326
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11388

cctatgggtg gacctcccaa agagtatgga gtaacaccac ttttaacatt tctgatttaa 60
ttccttttgc aagtggagct gatattgagg aggaggaact aaaaaatttg aggtcaaadc 120
ctcttcaagg gggaggggat gatgcaatcc tctactangaa gggaccagtc actagagcca 180
tgagcaagag gctccaagag gttgagctag agctgctgaa aaagacccta gggtttctcat 240
gaacctcang ataaatttct gagcccatgg gccaaagggtg ggtccaatta tctttgtaca 300
tattagacta cgatgtcatt atattt 326

<210> 11389

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11389

accatgtcat gcattctaga accaaacata tagagataag acatcatttt cttagagatc 60
atatatcaaa ggggtgattgt tgcattgagt ctattggtag tgaacatcaa ctagctgaca 120
tctttactaa acctctagcc aaagataggt tctttctcat taggaatgaa ctgggtatct 180
tagatggatc tagtattgaa tgatgttatg cttagaacat gtagcttggt atatatactc 240
tccatgtctg ttaattttcc tttaatgtct cagtatctng atatattgat atgtagctga 300
ttctttctcc aaaaatacat gttttatttt gtaatttgaa gttttcacta 350

<210> 11390

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11390

agcttcaccg atcctatnga agcaannngt aactttacat tctccagata tccagaagaa 60
gnataaagat gaggaatttc tcaaattccag atctatactt gctacaacaa atgaggttgt 120
agaccaaadc aatgactatg tattaacat tatccgagga gaagaaaagg ggtatttcag 180
ctatgactca attgacatga aaaatgctgc aacaactaaa gcttttgaag caattacact 240

agagtttcta cattcattaa agacatcatg aataccgaat catataatta ggctgataag 300
 tggcacacct gttatgttga ttcaaaaatt agatcaagtt gatgcctatg caacgagaca 360
 agactaatta tctct 375

<210> 11391
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 11391
 agcttgttgc aaatcttcta cacttggagg gataacatgc agtcctcttg aacccttacc 60
 tcccactctt tcgtcatgcc gagactcggg aagcccaaca ggtttagctt tttcaaaata 120
 ctctgaacaa aattcaatgg cttcttttgc aatgtacctt ttcaacaata aatgcttctg 180
 gatggtgtag attcttggta taccctttta agatcttcat gtatcgctca accgggtaca 240
 tccatcacia ataaactaga ccacaacatt tgatttctct gaccaaata acaattaagt 300
 gaatcatgat gtcaa 315

<210> 11392
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11392

ttccctgtn ntatatttga aaagcttact ttgggccata tgataattgt tatgttatgt 60
 acaaattcta attaatgcat ttgcaaattg ttgtatacca tgtgttacta agccgaattg 120
 ttcccttgac ttttaggttg aaaagctagg aaaagactca ctaattaact gtgccaagac 180
 cagtatgtcc ttaaagttga tagctggtga taatgacttc tttgccattt tggtatgnt 240
 gtaattgcat tggctatata ttgaatgttg agagtttata tcacatgatt gattcacacc 300
 atgctctgct gcttctgcaa attctagtgc atatccaatc gaatgaagct tatatgcac 360
 atgtatcaat atttcattag tttctactgt gtgttgaatg tgtaaaattg tatattgttg 420
 aaccatattg agttggtagt atgagtgaat ctg 453

<210> 11393

<211> 474
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11393

atgagatata actaacagag gagataagga taatggaaag catcaagaat tgcatatcaa 60
 agataaagtt tattcccgca ccactaatct acgtgggggtg ccaaaagctt gcacttcacc 120
 atgggtttaac ctttgccgtt caagcagttg cagcaataaa tctttcagct ataataacca 180
 gcacagtaga atcaatattg aacaatgaat gagaataatg atagtaattc actaaaaatc 240
 ataatagaaa ataacaataa atatctagca aatagctgaa aacaatntat atcagttata 300
 cttgcttgct tgcatacaaca acatcttgag gtggcatctc ttcagtccca atntcaagaa 360
 caaatgctct tgaatgatca tgcacctata accagagaaa agctggantt tacataatat 420
 ataaatacat ntgtgggaca taatcaataa agaaactcgt actcaagcta aata 474

<210> 11394
 <211> 311
 <212> DNA
 <213> Glycine max
 <400> 11394

agcttcaaca catttaaggg ttggctacat tctgagtttg cccttaagtt tactgaccac 60
 ccactgtcta tttgcttggt tgttggtcac ttctctgcag caattatggt tatgcttaaa 120
 tgtctttatc tgaaaagagt ttctaacttc attctttgca cagtagattt cccaatcaca 180
 aaatgtcttc ttgcattttg ctctagccct ctgtttatca ttcttcttcc acttgaactc 240
 cttgcccac aatatgctat actccctcaa ggcagattta aattcatata gagtaccaa 300
 cttcatccct a 311

<210> 11395
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11395

tactcagctt aacattcaat ntcgagggtc tgcatatatt acgggactct ttcggacac 60

cgaganaaaa gttattgtcg tttgaatttg ctccgaccat caacattcaa ttccgagcgt 120
ctcgatatat tacgggactc aatcagacat cctagttaaa agttatgtcg gttgaatttg 180
ctcagagctt caacattcaa tttccagggt ctcgacatat ttccggactc aatcagacat 240
ccgagtaaaa cgttatttgc gtttgaattt gctcagagct tcagcattca attntgagcg 300
tctcgatata ttaccggact caatcagaca tccgagttaa aagttattgt catttgaatt 360
tgctcaaagc ttcaacattc aattttgagg gtctcgatag attacgggac tcaa 414

<210> 11396
<211> 316
<212> DNA
<213> Glycine max

<400> 11396

tatatatcat aggctgctca ttttaactta ttttaatatg ttcccttata ctctgtggt 60
taatattgat gttgcgaaag acaaataaaa aaagcataat cttactctta gattgatctt 120
gggtgagcaa attgcaaaat cattttttta tgaaattgat ttgatcata attgattatg 180
aagtacaatg atatattttt tagtggtttt aatctaagaa aaaatagtat taaaacttag 240
tataaaagaa attgatccaa tgcaaaagct attaatgttg ctttaattca aatcaatttc 300
ttcttaaaat taattt 316

<210> 11397
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11397

cattatctcc tttgggttcg caggttcttc catgcactga atccagtgat catctcgatt 60
acaatgcacc caagagacca tatatctaac gctggttcaa tctgaccaac gaccgattct 120
ggtgacatgt aaaaagggtg ccctctaaac ttgaccttcc catactcagc atttgcattc 180
tctctagtct tggacaaccc aaaatcagca atcttcagtt gatacttgc atgatcatca 240
gatgaaggaa agagaaggat gttgtccggt ttgagatcac aatggacgac tccttttcga 300
tgaatgcaag aaagcccttt gagaagcata cgagtgtaga ctcttacttc actatccgat 360
attggcccct tcttgttact aaaccaagaa gagaaccata aggagcacac tccatgaaaa 420

gattgtatgt cacataatth ctctcaacag tgaatnggtc aaaatagcat tg 472

<210> 11398
<211> 304
<212> DNA
<213> Glycine max

<400> 11398

cctgcatgca tgctagcttc tgthtttcaat tacttgcgtc tcgatatatt acgggactca 60
atcggacacc tgagaaaaaa gttattgtcg ttagattttt ctcagagctt cagttttcaa 120
ttacgagcgt ctagatatat tacaggaccc aatcggacat cgaagtcaaa agttattgtc 180
gtttaaatth gctcagagct tctgttttca attacgagcg tctcgatata taacggggct 240
ctatgcgaca tccgagttaa aagttattgt cgthtgaatt tgctcacagc thttgtttta 300
atth 304

<210> 11399
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11399

ctcagctgga atgaaaacgg agagtcgaaa attcaatggt cattacttat cacaccgaag 60
tccgattcag gcacataata tatcgagacg ctcgaaattg aacaacggaa gctctcgaga 120
aattcaaath gtcataactt ttcaaathga agtcogattc aggtgcataa tatatcgaga 180
agcttgaaat tgaacaaagg aagctctcga gaaattcaaa tggtcataac ttatcacacg 240
gaagtccgat tcaagagcat actatgtgaa gatgctcgaa attgaacaac gaaagctctc 300
gagaaattca aatggtcata acttgccaca cggaagtccg attcagacgc ataataacc 360
gagacgctcg aatngaaca atgaaagctc tcaacanatt caaatggtca aaacttgtga 420
cacagaagtc cgattcaggc gcataatata tcgagaagct ttgaaatgaa caacggaggc 480
tctcgagaaa ttc 493

<210> 11400
<211> 305
<212> DNA

<213> Glycine max

<400> 11400

agcttgcctt gcccttttat atatttgagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtggtt ccatgttttc aaagcccgta ctaaggcata caactcctta 120
tcataagttg aatagtttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300
acatt 305

<210> 11401

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11401

tgagcacgaa cggatgaatgg agtgtcacat ttatcgtcag caaaactatg atgtgtatga 60
tcaatgccag tgacaacaaa cccaatggtg attccttctc cagcagattc aaaccacact 120
gcttgcgacc aagctccctg tggcagaccc aataattgtg gagtgtgtgt gggtgcagtc 180
ctcacagaaa aatccaaaac cacattggac acttctcttc tccttgacag attttttgcc 240
ttcaatatat cgaaaatcaa gaacttggtg gttgaagaag tttatcaaaa cagacacaaa 300
caccaaacta cgcacaaatg gaaacaactc aaacaatgaa gcancgtgtt cttcacagaa 360
taaggacata ctcaagatct tgataatnga aaagtaaaac catactatac ct 412

<210> 11402

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11402

attctataaaa tagacctgca atcttcaatg gagagggtta ccactactgg aaaaccgaa 60
tgcaaattnt tattgaggca ataaatctaa atatctgna anccatanaa atanggcctt 120
atataccac cacagtaaaa agagtttcaa taaatggtag ttcataaagt gaaagcataa 180

ccatagaaaa acctagagat agatggtctg aagaagatag aaaacgagta caacacaact 240
 taaaagccaa aaacataata acatctgccc tgggaatgga tgaatatttc anggtatcaa 300
 attgtaagag tgctaangaa atgtgggaca ctcttcgatt aacacatgaa ggaactacag 360
 atgttaaaag atctangata aatgcactaa ctcatgagta tgaattatgt agaatgaatg 420
 canatgaaaa tattcanagc atgcanaaga gaattacaca ta 462

<210> 11403
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 11403

tttccgacta tgctcttctg tgggtggaact tgctacaaaa ggagagagca agacatgaag 60
 agcccatggt tgatacatgg atggagatga aaaagatcat gaggaagcgg tatgtgccgg 120
 ctatttactc aagggaacttg aaattcaagc tccaaaaact aacccaaagc aacaaggggg 180
 ttgaggagta tttcaaggaa atggatgtgc tcatgattca agcaaattatt gaagaagatg 240
 aggaggtaac tatggctcga ttcttaatgg tctgctaatt atattcgcga tattgttgag 300
 ctgcaggagt ctgttgaaat ggatgatttg cttcacaag caatccacgt ggagcaacta 360
 tta 363

<210> 11404
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 11404

agaaattcaa atggtcataa cttatcacac ggagggccga tttaggtgca taataaatcg 60
 agacgctcga aattggacaa tgaaagctct tgagaaaacc aaatggatcat aaggtatcag 120
 tcgggggggtc caattcaggc gcacattata tcgagaagct ttaaattgaa taacggaagc 180
 tatcgagaaa ctcaaaatgt aataactagc cacacggaag tacgattcag gcgagtaata 240
 tatcgagaag cttgaaattg aacaacaaaa a 271

<210> 11405
 <211> 312
 <212> DNA

<213> Glycine max

<400> 11405

agcttgtaat cgattacgca ttgcttataa tcgattacca gaagtttttt aaacttttta 60
taacatcctt taaaaatttg aattttaaatt ttaaagcttg caatcaatta caacttgtgt 120
gtaatcgatt accagacatg aaaattcaaa tttcaaactt gaagagtcac aactcttcag 180
aaactaactg tgtaatcgat tacaacaatt atgtaatcaa ttaccagtaa ggaatttttcg 240
aaaataactc ccaagagtca caactgttca agaagttttt gaatggctat caaaggtcta 300
taaataagggtg ac 312

<210> 11406

<211> 313

<212> DNA

<213> Glycine max

<400> 11406

agcttatgct gcaaataattt acatttgacc tcctcaacct cagcagcaaa atcaaccaca 60
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgttggccca agtagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
tatgcagaac atg 313

<210> 11407

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11407

atgtatntat acatnnattt gattatttca ataaaaaatc taacaaggct gtttcaaag 60
ataaacattt gtttcaagaa taattcaaga ttgcttcaac aaacaaagcc ttgttgcaag 120
attcactaaa gaccaagcct tgccttaaaa caaagtgtt tcaagacatg caaggctctg 180
gtaatcgatt accaggaagt gtaatcgata accagaagac atgattgaga aatatcttgt 240
gaaaaagggtg aanttaaatt ttcaacatgt aatcgattgc catatgtttg taatcgatta 300

ccagcaacaa aactttggat attcanattc naaagtcata accccttcaa ttataactgt 360
 gtaatcgatt acacacacat tgtaatcgat taccagtgagg aagttttcac aaaatctggc 420
 aacagtcaca tct 433

<210> 11408
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 11408
 agcttatatt cacaatgttg actgattgtc ttgtattctc atttcttcta tttcttattt 60
 ttttttttat agatatgtag agcagtagct tatattcaca attgtattgg agtgtctcac 120
 agggacataa aagatgatgt catgcttgct ttcttcttga aaataaattg aaattctgat 180
 actgaggaca gatgtcgtac aggatgtcac gacatccgcg ttcagaacat gcagattata 240
 tatgacagta tgaacagatt aaacaagtaa ataacacaag agaattgtta acccagttcg 300
 gtgcaacgctc 310

<210> 11409
 <211> 516
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11409

acactatgat actaagcttc tagttagat gatgcagatg ggcttgtagc tacctcatgc 60
 actcctctaa tgactatggc ataatttctg gcgataaact gttgggagtt ggaagccatc 120
 ttctcaatta aatttctggc ttcagcagga gtcattgtct caagggctcc accactggca 180
 gcatctatca tacttctctc catattgctg agtccttcat aaaaatattg gagaagaagc 240
 tgctctgaaa tttgatggtg agggcaactg gcacatagtt tcttaaactg ctcttagtac 300
 tcatacaggc tctctccact gagttgtcta ataccttaga tatctttcct gatggttgtg 360
 gtcttggaag cagggaat tntttctagg aatactctct taaggctcgc ccagctcgtg 420
 atggaccttg gagcaaggta atacagccag tcctttgccg ctccctctaa tgaatgagga 480
 aaagctttca gaaatatgtg atcctctcgg acatct 516

<210> 11410
 <211> 309
 <212> DNA
 <213> Glycine max

<400> 11410

agcttaagct ccttcaactg cacttggctc ttaatatattg aagagtatcc ttgtggaacc 60
 ttcacctgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
 gctgggggca agtaaatttt ctcccatca gaccttggat gcaactatgc tcttataccc 180
 atatcagcta gatcttgacg ggtattcaag ccaccttcg tcttgccctg aatgttaagg 240
 agcatcccaa tcacactgct acaaacattt ttctccacat gcataacatc aatataatgt 300
 ctaacgtca 309

<210> 11411
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 11411

gcttgcttcc cagatctgct tgtgattggc agcagtgtat aggaaattca aagggttcaaa 60
 cagttcatga taactgagtt tgaaatgaca gatctagga agttatcaca cttccttgga 120
 ttagagatta atcaagttca gaagggggtg tttatgcacc aaagcaggta tgcacaagag 180
 atcctcaaaa ggtttggcat gatgaattgt aattttgttt caacaccagc tgaagctgga 240
 ctcaagctgg aaaatgacct ataggaagag ctggttgatg caatagaatt catgaagcta 300
 attggatcct tgagatactt gtgcaatagc agacctgata tttgtttgca gtagccta 360
 cacaggttat gagggaaacca aatgtcacac at 392

<210> 11412
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11412

ttctttagtc cagtcttctt ctggcttcaa ttcacagtg ggctttcctt ctgtgtccag 60
 catcttggga tgttcccagc ctttgatgac agctttccag gttctgctat ccagtgatt 120

gaggaaggcc accattcttg ctttccagta ttcatagttg cttccatcaa gaattggtgg 180
tctgttcaact ggtccgcctt ctttctccat gttcatcaga atntatctcc ctagatctca 240
ctctgtgatt tcgagtgttg gctctgatac caattganat tctgatacca ggggacagat 300
gtcgtaccgg atgtcacgac atcacgcttc agaacatgca gattatatgt gtccgtatga 360
acagattaaa caagtaaata acacaagaga atngtaaccc agttcgggca acctccctac 420
atctg 425

<210> 11413
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11413

gctgagagga cttcacattg attcctatgg catcgagggtg ccaaccgtac ctgccatgga 60
accaataat cttgccacct gtcattggca acgaaaaata tgtcccttgt tcaactccaa 120
atgggtccata gagtttcttg ttgctctcaa aactaagtga ccgaatgaag attgggtcccc 180
attgatttaa gctaccatag tatccatcaa ctgatgttag gaactcctct gggtaatcaa 240
gcttgatctg cagcacaatc ataaatattt aatcgatata acacacgagt gtgatgagta 300
acaaccaaag aagcacanac acttcatgat tgtatacaca aatgtttntt ttgttattaa 360
caaatgttaa ttgttagttn ttcttggtac atgttagata tgtatctatg tnggacactc 420
tacggactac 430

<210> 11414
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11414

tacctcatatccanataac aatgagctaa ttgtggtgaa tttgattcat ttaccttatac 60
tttcccagggt agttagaaga aagaaaaaaa ttaatgtaaa aattacaagc ctttcccttt 120
tagcaaatta actctcctaa ttaagatatt gtactatata tcttaaaaaat gtaatatgta 180
tgtnttttttc agcatcaaaa tataatggta aataaaaagtc ttgtgagaga gtatatatat 240

gctcccaact tgttcctgaa aatgacaaac atgatnttat ggaaaacagt catatntagc 300
 tgtagtnttt tataatcaaa tttgtcttaa aagtatgtnt atataaaaaa atctaataaac 360
 attatctttg aggtgattaa cgtgagaatc ttaagttnta tgtntctcaa tataaaaaaa 420
 atccaaactt taaatacttn caaattaaat ttaataaaat aaaatntata tcaacacata 480
 agttataata aatgttcatg aaa 503

<210> 11415
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 11415

gcttgaaatg tcttttttga tggtagtggt cctagatgca gggaagaatt tctccaagaa 60
 caccctctta aggtcatccc agctgaaaat agacctgaga gcaaggtagt ataaccaatc 120
 ttttgccact ccctccagag aatgaggaaa agccttttga aagatatgat cttcttggac 180
 atcagggggc ttgatgggta aacaaacaat atggaactcc ttaagatgct tataaggatc 240
 ttcacctgca agaccatgaa acttgggagc caaatgtatt agtc 284

<210> 11416
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 11416

agcttataat atatcgaggc gctcgaattt gaacaacgga agctcttgag aaattcaaatt 60
 ggtcataact tttaactcgg atgtccaatt catgcgcatc acatatagag acgctaaaaa 120
 atgaacaacg gaagctctcc agaagttaaa atggtattaa gtttttacac tgagggtccga 180
 ttcaggctta taatatatcg gggcgctcga aattgaacaa cggaagctct tgagaaattc 240
 aaatgggcat aacgttaaac tcggatgtcc cattcatgcg catcacatat ta 292

<210> 11417
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11417

tctagtaact cagcttgcca tgaattagaa atctgcacct ggtgcaagag tctgtggtct 60
atgttcttct gcagatcacc atacagatct ttgtccttct ttgcagcaat ctggagtcaa 120
tgagcaacct gaagcttatg ctgcaaacad ttataataga cctcctcaac agcaaaaacca 180
acaacaacag aataattatg acctttcaag caataaatac aatccggggt ggaggaatca 240
tccaaatcta agatggacaa gtcctccaca acaacaacag cctggttgatc gagggcatac 300
ccgaatcaaa taaacattaa aaatgcagta tctaggaagt gatcctaggt cgtctcccaa 360
tgagcaatgg tcaaccaaat gttcataaca natagtaata aaatagtaac 410

<210> 11418

<211> 497

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11418

gtctcacgac tgtcacgtgc tcatgctaca tttgttagtc gtggctacac gagacatctt 60
gccaaacaaa gtcagggttaa cgataacttg cctatgcttt ttctttcatg ctatatgtag 120
caaagtcatt gatccagtca tgtttgatga gttggaaaat gagggccgcaa ttatactatg 180
ccagttagag atgtattttc cccttacttt ctttgacatc atgattcact tgattgtgca 240
tctggtcaga gaaatcaaat gttgtggtcc tgtttatcta cgggtggatga acccggttga 300
gcgatacatg aagatcttaa aagggtatac aaagaatcta tatcatccag aagcatctat 360
tgttgagagg tacattgcan aagaagccat tgatatttgt tcagaatact ttgagaangg 420
ctaaacctgt gggcttntct agtctcggca tgatgacaga gtgggtggta aggattcaag 480
aggactgcan gtgatca 497

<210> 11419

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11419

gacgcttaga attgataatg caatcccaag gcaaatttca tacgaccgta actnttgatt 60

tgattgttcg attgaggctc ataatatatc aaaacactct aaatttaaaa cagaagccca 120
agacaattca aatggttata acttttgact cggttatctg gttgaggccc atagtatatc 180
gagatgctca aaattaaata agaaagcccc tggcaaattc aaatggccat aactntatac 240
tcagatgtcc aattgaggtc cataatatat cgagacgctc gatattgaat aaggaagctc 300
tataaaaata taaacggtca taattgtagg atcagatgtc caattgaggc ccacaatata 360
tcgagatgct caatactgaa t 381

<210> 11420
<211> 507
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11420

gcttcttagt ctcactctca acaattgtaa aagcaagtgg aaaattattc ttattaccat 60
ctttctcaat ggcagtcaac aaagtacat gatattttcc agttaaaaat gtctcatcta 120
cttgtaacag tggcttaca ttttgaagc ctttaatgca tgggttaaac gcccaaaata 180
cacgattaag aatcaccta ggagacgcat cccaccttt ctccattgaa gatggagttt 240
tgtagtttac tatggtatct agtacaaaat gttgagcagc tgtcaatcat acaagcaggt 300
agctgtatga ttgttcccaa cttccaaatg tcatttcaag ggcttntgt ttgattgtcc 360
atgctttttt gtatgaacag tgtaaccaa cgttgttgc atgtctgcaa tcaaggttnt 420
gatttcgata ccaggaattt gtttactaa atgaacaaca ttatgagcaa ttacagaaga 480
gtctaacctc gcatgatctt gtgatat 507

<210> 11421
<211> 484
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11421

gtgtngaagg gtgaaacttc ctgctnttat tgttgaccac agagtggtag ctggagatat 60
gtcgcgngg tcaggagacc ttngggacgt caggtggggg gctattgccc aaaaccaagc 120
ttgaccaatc ccgaccaac cgggcatag tcggtcagtg agaacctgtg atgtacctaa 180

gcaggcgagc tcttggcaat caacagataa taggaacaaa gaccacaaag ncaggaggct 240
 ngtggtggct ggccagctgt ngaatttgtg tgatatgtgg agtatggcct ctggtaatcg 300
 aataccaagg gtgggtaatc gattacaagg cttanaaatg aagacagggg gctaagatgg 360
 tctctgaaat tctgatacca gnggacagat gtcgtacagg atgtcacgac atcacgcttc 420
 agaacatgca gattgtatgt gtccgtatga acagattann accagtaata acacaagaga 480
 attg 484

<210> 11422
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11422

gcagactagc ctactcgata attgcggtct gatgagaaca gggactactc agaccaaagt 60
 agcatgtgct accttccttc tattcactca agtggtttaa gatgtaaaaa tgtatttgca 120
 ttattaaaaa agttgggttaa atttagatat tagtatntaa attgtcaata gttataatat 180
 ttttttaaaa attatcctta atattattag aatttattca ttttttttaa tctctataag 240
 aaagaaagag acaattcaga aacgttcaat tataaattaa aataaataag gatatnttaa 300
 ttcaaaatca attaatgcac aacataattg aaataaaatc ttatgaaaac aatntatttt 360
 ttccaaatta tttcttataa atagggacac atgaagtagt ttactccctt gaaaatacta 420
 aaatngacct gagtggcttt ttcttacaac aatcttnngt tttgaatata atttattttg 480
 taagatgatc gaatattaaa t 501

<210> 11423
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11423

agctntgcag caacanatgc agtagccata acatattctt cattttttaa cttatgttcc 60
 ccattgagga attgaacaag gatgtcaata tgatatggtc caacataaga ggcacatgtg 120
 tataggaatg aaaacaaacc tgataaaagg atcccttgcc atgttgacaa gaataacacc 180

ttcgccagct taagagtggc cacaatccta acactaccac actctgactc aagtttgttt 240
 ctaaaagttg gaaaaacccc ataagcactg tcatcagtag caagaagtgg gacgtcctga 300
 tgctctaata tcttctcctt gcctagactt attaattggac caatccatga gaaagtaaga 360
 atgctgataa aaatccagca ttngaataac gggttaaant ttcatttagt ctactcttac 420
 tggaatcaga attgtngcat acactagagt cacca 455

<210> 11424
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11424

aggttatgaa gtatttcogga ctatgtgcat ccatgtctgg acaacatatg tctgtatgta 60
 tgatttctaa taaattagaa ctctctatg caccctcttt agacttgga gtttgcttac 120
 ccttaatgca atctacacaa gtctcataat cagcgatagt canagtacta agtactcctt 180
 catttactaa tcgcttgatt ctttcaatag agatatgtcc taatctccgg tgccacaaca 240
 tagaggattc ttcattcaca atacatcggt ttaacccaac agaaacgtgc atagtaagta 300
 gcgtcatttg ctaatcaatc gaataaagac catcaac 337

<210> 11425
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11425

agcttccatt gttcaatatc gagggtctcg atatattatg cgcctgaatc ggacctccga 60
 atganaagtt atgaccatct gaatttctcg agagctacct tcgttcaatt tcgagcgtct 120
 cgatatatta tgcgcctgaa tcggacctcc gagggataag ttatgaccat ttgaatttct 180
 cgagagcttc cgatgttcat attcgagcgt cttgatatat tatgcgactg aatctaacct 240
 ccgagtgaag agatatgacc atatgaattt ctgagagct tccgttggtc aattatgagc 300
 gtctctatct gtgatgcgcc taaatcagac atccgagtga acagttatga ccatgtgata 360
 ttctcgagag ct 372

<210> 11426
 <211> 228
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11426

 gatagcccaa ggactacagt acttgcataa gggatgcaac acttgagttg tacattttga 60
 catagagcca atacattctt ttggatgaga agctctaccc caagatatct gattatgggc 120
 tagcacagcc ttgtgctaca aatgatagta ttatttccag gtctggtgcc agaggaacat 180
 tanggtatgt agctccagaa caattggcag aatttcacac aaatctga 228

<210> 11427
 <211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11427

 tcttcgcgcc gcaataaatg cgctagtctc tcctttctat tcatcccatg tganattatt 60
 atcaaaaaca ccagatcctc taattcaagt ctgcaccaag tnttctgag ataatgtctg 120
 gtcgtggaaa ggggtggaatg ggtttgggaa agggatgtgc ctagaggcac atgaagggtc 180
 ttctcgacaa cattcanggc attacgaaac ctgcgattcg tacgttagcg agaagagggtg 240
 gegtgaagag gatcagtggg tcatctacc aggaaccag aggggttctg aagatattct 300
 tggagaacgt gattcgcgat gctgtgactt ataccgagca cgctacgagg acgacggcta 360
 ctgccatgga tgttgtttat 380

<210> 11428
 <211> 481
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11428

 gtaactntat gggatgcagt ccatataggt caaacatatt cctagtagac aattatctgt 60
 gtctcacctt catatagaca tctatatctg ggtcaggttt aatatttgct tctttctctc 120
 ttctggacac ctctgctagc aaatctgcag aatgtaaaat aattttggtt aaaacttgat 180

attgcatatg aaatttttgc acggtatanc aaatgcaatg ctgtgggcta accataacga 240
gctccaactc cttggacccg tgcggagaag gccaaagtnt ctctaactgt cattttctcca 300
atatgaagat catattgact gacataagca gcagttctgt ggggacaaac tcattcatcc 360
catgaccatt ataagtcacc tntccagtga actgatcaat aagtcaaacc ttaatagctg 420
catatccana actgghanact acgagccaag catgataaca tcatttaaca attaaatata 480
t 481

<210> 11429
<211> 491
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11429

gctataagag atcatccnct agacaacatt cttgggttaca tctcataagg ggtaacttct 60
agacgttctc ttaaagatnt atgcaataat atgacttctg tgtctatgat tgaacctaaag 120
aatataaatg aagccataat agatgatcat tggatagttg ctatgcaaga ataactaaat 180
cagtttgaaa gaaacaatgt gtgggaacta gtagagaaac ctgaaaacta ccccatcata 240
ggaacaaaat gtgtatttat gaataagtca gatgaacatg gcataatcat taggaataac 300
gctagattag ttgcaaaagg atataatcaa gaagagagta aagattatga agaaacatat 360
gcgtccagtg caagattagt agccattaga atgcttttagc ttgtgcacca taatgacatt 420
taactttatc aatggatgtt acagtgcctt ctaatggcta atcaagagaa gatatgtgaa 480
caccocaggt t 491

<210> 11430
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11430

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agttattgtc gtttgaatat gatacgaact tccattctca atttcgagtg cctcgatata 120
ttacaggact cagtcgaaca tccgagtaaa aagttatatg cgtatgaatt tgctacgagc 180

ttcctgtttc aattaggagc acctcgattt attatgggac tctataggan atctcaggta 240
aagttatcgt cgtctgaatt tggtaagagc ttccattcta aattcgcagc atgtcgatat 300
attacgggac tctgtcagac atccgagtta aacggtattg taatttgaat attctacgag 360
cttccgtttc aatttggtcc tctcgatatg ttactggact catctgacat ctgataagta 420
ttgtcgtgat ttctacctct catatcaatt 450

<210> 11431
<211> 481
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11431

togatcctct tatcttcaaa gccatttct agtttctttc ttcccatgtc aactacacag 60
cttgcagtta acataaatgg tcttcccaag attaaaggaa tgtcattatc ttcacagata 120
tccattacaa caaagtctgc tgggaagata aaatgtttta ctctgaccaa aacatcttca 180
attactccat atggtatggt aatggagcgg tcagccaact gtaaagtcac tctagtgggc 240
atgatttcca actctcccag tcttctgcac atggagagtg gcacagatt gatactggct 300
cccaagtcaa tgagagcttt tccactgtg acttcaacta ttgaccaagg aatggtcaca 360
ctcccanggt ctttgtgctt cgggtggaagg aatttctgga tcaccgcact gcaatttacc 420
tttcataact atatttcttg gtgaatgtac ttgtgcttct tttgtcacat gtctttaaaa 480
c 481

<210> 11432
<211> 286
<212> DNA
<213> Glycine max
<400> 11432

gtccaggttc ctcagcagat agaaccagaa cctcagcggc tagtggctta aggaagaaac 60
tgtatgactt gatggatgat tttcaagggt tgagggccag aatgcagaat gagtacaatg 120
aaaccgtgga acgaaggtag ttcaccataa caggagaaaa ggctgatgaa gacaccatac 180
ataacttgat atcaagtgga gaaagtgaga tttctcttca gagggcgatt catgaacaag 240

ggaggggtca tataatggac accatatcgg agattcatga gagaca 286

<210> 11433
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11433

ctctgataaa tctgccatat actcagccgg tattaagcct catgagctat ctcatatcca 60
gcttactgga ttagtcttgg gtgacttccc ttttagatac ttaggagttc cccttttatac 120
atcgagatta aatgtatgtc attatgctcc cttgctttcc aagattactg gcctgattta 180
tggatggagc aagatgtctt tatcttatgc aggtaagtta cagttgatta gagcagttat 240
tcaaggaatc gtgaatatct ggatggagat tnntcctttg ccgcaatctg ttctggaccg 300
aatcaacgct tctcgcgta attttctgtg gggaaagcga atattgcaaa aac 353

<210> 11434
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11434

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actagtggcc tcagatatct taagaaggag gtgggggtga attaatatat tacaacttat 120
ttccccaatt aaaaattcta cttaactttc tattcaagtt ataaattccc ttaataatga 180
atctcttaaa taatgattca taagaagaat ctgaataaga ctataaaaca catataaatc 240
atggagttaa tgggaagaga angtgcaaac tcagatttat actggttcgg ccacaccctt 300
gtgcctacgt ccagtcacca agcatcccg ttagagagttc cactatctt 349

<210> 11435
<211> 381
<212> DNA
<213> Glycine max

<400> 11435

agtcacctgc cgcattgcaag ctttcaccca acaggcgaat gaagattgca tttattggca 60

catctgagtt tgacagtgc cccgattcctt tgtcagggtca tgaagttttt gatcgggtga 120
 agaacatcgt tactatatat gggaaaacac aaaaatagga tgggtccac aaccagcttt 180
 ggaagaaaaa gtctatatat ttttatctgc ctactgggc gtcattagat gtgagacatt 240
 gtttagatgt tatacatggt gagataaatg tatgtgatag tctagttggg aactgctaa 300
 acattaaagg caagacaaaa gatggtttga aatgccgctc agatttagta gagatgggca 360
 tacgacaaca gttgcaccca g 381

<210> 11436
 <211> 541
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11436

ttgacagggtg ataactcata actgaatgtg tangctggca tccctgtgtg ataagggtgaa 60
 agaccttcac gctaattgtga gtgatgttga ggtgggtgat aagggtgaaac accttgata 120
 agattaanat actctctaata tttttgttt tctgattnta atttttagtga gagagaatgg 180
 gtatagagac taacattatt ggtcccatct tgcttcgtag tcataccttn tcataatcga 240
 tcacttatat attntttgat gttaaataac tacaaatgta gctaagactt aaaattttaa 300
 ttatttatct atntgattta atgtctagnt ctatttttat tntctaaatt aanaaataact 360
 ttgatcgatt catatgtgtg tattatatca gtntatcact ataccattca tttgtatata 420
 caaactaatt tatgntgttg tcttcttttt gtactogaat aactannat tagacttcat 480
 ctatgtactc ctctatttac atgggtatcat gttttaatat acacatttgt tgtaaatacc 540
 t 541

<210> 11437
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11437

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 caattcttca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120

gacagctttc caggttctgc tatccagtga tatgaggaag gccaccattc ttgctttcca 180
gtattcatag ttggttccat ctaagattgg tggctctgtc actggtcctc cttctntctc 240
catgttcac agaatattatc tccctagatc tcaactctgtg atttcgagtg ttggctctga 300
taccaattga aattctgata ccaggggaca gatgtcgtac cggatgtcac gacatcacgc 360
ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtaa ataacacacg 420
agaatggtaa ccagttcgg tgcacctcac ctacatctgg gggctccaag ccgagaggaa 480
accactctaa tagttagtt c 501

<210> 11438
<211> 403
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11438

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aaatgttgtg attgtggctg tgttgatgca agaaggccat ccaattgctt attttagtga 120
aaatttaagt ggtcctaccc ttaactagtt aacttatgan taggagttgt atgtcttatt 180
acgagacttg aaaacatggc aacactacct ttatcccaag gaatgtgtca ttcatagtga 240
ccatgagtcc ctcaaata tcaaggggca aggcatgctt aacaaaaggc atgcgaagtg 300
ggtggaattc ctatagcaat tcccttatgt tatcacacat ataaaggga gaggtaatat 360
tgtagccgat gctctttctc agcgtcatgc attactttct atg 403

<210> 11439
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11439

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ttccaggatg ttcaaggca agggcggagc gttgacgttg tctgcaaatg tatgacactt 120
atggcacttt ctcacgtgga tgcaatagtc actctccatg atgagccaat aatagcccgc 180
cctcaggatc tttctagcca tggcgtgccc gttagcgtgt gttccaaagg aaccctcgtg 240

gacttccact agaatccgct tagcctcctt agcatccacg catcggagta acaccatgtc 300
atggtttctc ttgtatacta tgtttccact taagaagaaa ccggttgcca atctccttaa 360
cattctcttg tcgttggtgg aagcctccga tgttcttgag cccgaaagac atctncttat 420
aat 423

<210> 11440
<211> 510
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11440

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tccctgtctg atacaatact agaaggaatt ccatgcaacc ttattacttc cttgatgtac 120
aactctacta gcttctccat tctatacttc atattcacgg gaataaaatg agcagatntg 180
gtgagtcgat ctactatgac ccacaccgca tcatgtccac gactagtctt gggcaaacta 240
gatacaaaat ccatagatat gctctcccat ttccattccg gaatttccaa tggcttcaat 300
tctcccgatg gtcgttggtg ctcagcctta gccttttggc atgtcaaaca tcttgctacg 360
tattcagcta catctttctt catgccatgc caccaaaaac ttctcttcaa atcttggtac 420
attntagtca ttccaggatg gaaactaaga cgaactttat gagcttcttc caagatctta 480
actctcanat catctaaaga tggcacacat 510

<210> 11441
<211> 463
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11441

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ctatggcatc atttctggca ctaaactgct gggagttgga ggccatcttc tcaattaaat 120
ttctggcttc agcaggagtc atgtctccaa gggctccacc actggcagca tctatcatac 180
ttctctccat attactgagt ccttcataaa agtattggag aagaagctgt tctgaaatct 240
gatggtggng gcaactggca catagtttct taaatctctc ctagtactca tacaggctct 300

ctccactgag ttgtctaata cctgagatat ccttcctgat ggctgtggtc ctggaagcag 360
 ggaaaattnt ttctaagaat actctcttaa ggtcatccca gctcgtgatg gaccttgag 420
 caaggttaata cagccagtcc tttaccactc cctctaata gtg 463

<210> 11442
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11442

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 attaaaaaat aataaagctt ggaaattatt attcactgca tttaacttcc tctcccacaa 120
 atgttgagtg gttagggaaac attaccagat tgacaagagg tcgcggttaa gaggctctga 180
 caaacatcta agcaaggatc aaaagaattt aagaatgtgg ttatgttatg tgccgaaccc 240
 caacatcaaa atcttgtaaa agttcttgga tgttgcatc aagaagatga aaaattgctc 300
 atatacgaat atatggcaaa taaaagctta gaggtcttcc tttttggtta gtttctctaa 360
 atttaactgg gtaattaatg taagatngca ttttgttctt acaattgggt gcaaattaat 420
 ta 422

<210> 11443
 <211> 442
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11443

agctangagc accttttctt cacttcttcc ttcattgatg ggttgagcct tctctagggg 60
 tgtatgattg gtctatagtc tccttccatc attntcttgt gcatgtagtt ggcagggctg 120
 attcctttaa gatctaata gtgccacca attgcttcca tgtgtccctt gaggaccttt 180
 accaacctat tctcttcttc tgctgttagc tcaactgtgat caccacaggc tnggtctcgc 240
 tctcctcaa gaacacatac ttcaggtggg tgggtaggat cttcaactcc accttggtct 300
 tctcggatgg actcccactt nttaattctt caaagctggg ccccttgca ggaatgtttt 360
 cttcatgac taagtcttcc aagaaagtcc tcagatcctt ttcctcttca atagttagat 420

aatccacaac attgatcaaa gc

442

<210> 11444

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11444

aagattcctt aagaagctag agcttagcta cacatacctc tataatagct aagctcacct 60
ccttgagatg agaagctaga gcttanctac acaccctcta taatagctaa gctcaccctc 120
atgacaaaaa acatgataat aacaaaaaaa agtccttatt acaaagacaa ctcaacatgc 180
cccgaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa ggcttagacg 240
aaggaataac ctattctaatt atttaciaag ataagcgggc tcatacttag cccatgggct 300
cgaaatctac cctaaggctc atgagaaccc tagggcctnt ccttggatct ctagcccaat 360
ctacttggag tcttctagcc aatgcccttg cggggtagga ttgcatcant tactttcact 420
cagatgtgog attcaggcac atcagatatc gagacgctcg 460

<210> 11445

<211> 490

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11445

agcttctacc attcaattaa attatatttc tcctcacaca tcaaattattc acttagtgta 60
tgtgaattac anaactaccc ctaatacaaa aactagtcta agtgccctaa aatacaaagg 120
ctgaaaaatc ctatatttct tgggtccctt acctacatta tggagcccta aatacatgac 180
ccaaaattaa tgaaacctta atctaatatg tacaaagata agtgggctca tacttagccc 240
atgggcccga aatctaccct aaggctcatg agaaccctag ggcttctct tgcattcttg 300
gcccaatctt cttggagtct tctatccaat gcccttgagg ggtaggatng aatcacacag 360
tttctatgaa ttctatcatt taagcaacac caaanatctt gaaataaact taaattcact 420
aaattgctta atgtggaaca taactaatat aactcgaacc aattcattac aataaataag 480
ggtaacttac 490

<210> 11446
 <211> 476
 <212> DNA
 <213> Glycine max

<400> 11446

agtcacctgc ggcacgcaag cttctttgga gaaacttcct tgagaagcta gagcttatct 60
 acacacaccc ctctcataac taagctcacc tccttgagaa gcttccttaa gaagattcct 120
 tatgaagcta gagcttagct acacatacct ctctaatagc taagctcacc tccttgagat 180
 gagaagctag agcttagcta cacaccccct ataatagcta agctcacccc catgacaaat 240
 aaacatgaga ataacacaaa aaagtcctta ttacaaagac aactcataat gccccgaaat 300
 acaaggctaa taccctatac tactagaatg gccaaaatac aaggcctgga cgaaggaata 360
 acctattcta atatttacia agataagcgg gctcatactt agcccatggg ctcaaaatct 420
 accctaaggc tcatgagaac cttagggggc ttccttgat ctctagccca atctac 476

<210> 11447
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11447

aagctcctaa tatctccac actntnntgg gtgggccatt cttggatggc cttgattttc 60
 tcagggtcca cttggacccc atntctacca actataaacc ctaagaanac tatattatct 120
 acacaaaaag tacattctc ttatattgca tagagggtgt ntntcctaag gactganaga 180
 acttgctga gatgtcctaa gtgatcatct aggctcctac tgtacactan aatatcatca 240
 acataaacia ctacaaatct acctatgaaa tcccttaaga catgatgcat aagcctcat 299

<210> 11448
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11448

cctgttctc cctaccttac atgtttcatc anacttgtt ctgaacaccc actntgctcc 60

aacaacagaa tattccttgg ggagttctac aagctcccat acatcattat tctgaaactg 120
gtctagctct tcttgcatg ctgtgacca atattaatca gacatggtat catctatgtn 180
gttttgc tca atctcatata gtaatgttgt gttcttaaga gagatccttc tctgtacttt 240
gtccatagga tcacatatga tctangctct agatgttggt tectcaacag gcatccagtt 300
ggttctctgg cctcttcagg ttggttgctc actggtgagt tagacgcaag ttggttctga 360
ctctacacaa cagtagactt aacaatatcc tctatcttca tttatg 406

<210> 11449
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11449

agcttgtang gttaaagtct cagcatgggc acgtgctcat gtcttaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgcttg tgctgtttct 120
tccatgctat atgtagcaaa gtcattgatc cagtcatggt tgatgagttg gaaaatgagg 180
cagcaattat actgtgccag ttggagatgt attctcccnc tactttctnt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggctctatt tatctacggg 300
ggatgtaccc ggttgagcga tacatgaaga tcttanaagg gtatacaaag aatctatatc 360
gtccaaaagc atctattggt gagaggtaca ttgctgaaga agtcattgan natttgtcag 420
aatacttaga gaaggctaaa cctgtggggc ttctgagtc tcggcatgat gacagagtgg 480
gtggtaaagg ttcaagaaga ctgcatgtga tcaactcaag t 521

<210> 11450
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11450

tctatcctcc ctaagatgga gtcaaaccga gtcaccgtca ttaagaacta gcttttttct 60
tcctctattg cctntagttg aatacacctt tgtttggttc ttaaccctct catgcaactt 120
ctttacaact ctgacctgga tcccccttct ttatgcataa aagaagtgtc cagttggagg 180

ggaataaggt ctaacggtgt taggggattg aacccataga caacctcaaa aggggattgc 240
 ttggtggttc tataaaccn ctattgtacg aaaattctac atgaggaaga tattcatccc 300
 aagacttatg gttgcctctc aaaagagcac cttaaagggt ggataaagac ctatttacta 360
 cctctgttcg cccatcagtt tgtggatgac aaagtg 396

<210> 11451
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11451

atgcaaacat gcaataaatg aaactccaat tcagattgga gaatagcata aaaaatactc 60
 aattaattaa tttggtccag gttttgttct ttaacttaa ggtaacaatt attgcatang 120
 gtttatgttg aaatggaaat tgtttgttga cgacatgttg cttgttggtt tgggtggatca 180
 atcangacgc taangaacag gaagagaaga gggccactac tcagttgatg tttgatttgg 240
 gttagaaggc ctatgggaag ggctcctatg gacatgccat tgaatttctt gaagttgcac 300
 tcactatcat naccaggcc tacattattg gtggtgaggt tggttctttc ttgccccaaac 360
 aagaatttnt gtctgattgt ggaacgagga 390

<210> 11452
 <211> 128
 <212> DNA
 <213> Glycine max
 <400> 11452

cgagtgtctc gatatattat gcgcctgaat cggacctcg aatgaaaagt tatgaccatt 60
 tgaatttctc gagagctacc tcttgtcaat ttcgagcgtc tcgatatatt atgcgcctga 120
 atcggacc 128

<210> 11453
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11453

agctagccat gaatngtttc atgtgtacta ttaaagatgc tggcataatc ctgtcatata 60
acacaacccat aaactaaaat aagcatatgt gatcagtgtc aaaataaaaat gcaaccattt 120
acaaaaccaa tcaagaaaat aagaatagat tattacagct aaccaatcaa caagcctttc 180
aggtagccat gcttgagatt gcttgtccac ataaaatatt tcaattaact cccacgcagc 240
tttcaaagat gtaggctctt cacctctcta tattatgtgt aatgtgttaa aaagcaagt 300
attaacttct cggtatcata attcccacaa agcagatctc agctcagcta aacacggtan 360
aacaatntag aacctanaac agtaccttag caattacatt tgggt 405

<210> 11454

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11454

tgtattttctc tctaccagaa gcanaaatgg ttttaacagc tttcagaata gtgtgaatct 60
gacaattaaa aagttgtaat cgattaccag taacgaaaaa ctttgaaatt aaaactgaga 120
aggcataact cttcacaatt aactgtgtaa tcaattacca cacatctgta atcgattacc 180
agtgagaaat atttaaagat aactctgaaa aatcacaact cttcacaagt tgttngaaag 240
gccaccaaag gcctataaat atgtgacttg tattcgaaat tctntagaac attcattgtc 300
ctatcttctc acaagagaat ctttggcaat cacttgcaaa tca 343

<210> 11455

<211> 244

<212> DNA

<213> Glycine max

<400> 11455

agcttttagtg tgttcttcga gcttctctgc gaaacccaaa gtatgtgatg caatcctacc 60
ccgcaagggc attggataga aaactccaag tagattgggc cagagatgca agagaaagcc 120
ctagggttct tatgagcctt aaggtaaatt tcgggcccat gggctaagta cgagcccact 180
tatctttgta aatattaaat taaggtttca ttatttttgg gccttgtatt tagggctcca 240
taat 244

<210> 11456
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11456

tgagcaacta tgcacatcaacc taacgaatga taagttgcca caacattnta atcacgcaag 60
 gttataactt cataatacaa cttgaacatc attattaatg aaaatacata agatagaaga 120
 gatgcatctg tttcaacagc atgtattcca gatggagcaa gaagagtaca cacaggagga 180
 aatcaatagg agctatgtag aatctgtgga taatcacgat gttctcgatc ttattgagaa 240
 cgtagntaga tacttctgaa tcac 265

<210> 11457
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 11457

agcttttaggc gatagttaaa ctagaacact ttttggccaa tatggaactc cttcctaaga 60
 atcctagagt catgaatcct cttcactttc tctttgtaga tcttggattt ctcattaggct 120
 tctaagcgaa tctcttcaag ttcttgcaat tgaagcttcc tttccatacc cgcttcatca 180
 aatgccatgt tacaaccctt caccgcccac taagtgcagt actcaatctc caccggaaga 240
 tggcatgcct taccaaaaaac caccatatag ggagacatcc ccaaagggtg taggtaagc 299

<210> 11458
 <211> 308
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11458

tgagagatgt cttaatatg tttctattag aagtgatcat ggagggtgaat tataaaatga 60
 ttattttgac anagtttgtg gagaagatgg aattcaccac agacctcaat aaaatgggtg 120
 tgtggaaagg aaagatagat cccttgaaga aggagctaga actcttctaa atgaaacaaa 180
 gctaccaaag tacttatgag ctgatgttat gactactatc tgctatactt taaataagg 240
 tcttataaga cctattctaa ggaaaactcc ttatgaactn tacacaggaa gaagacacaa 300

tatatctc

308

<210> 11459
<211> 292
<212> DNA
<213> Glycine max

<400> 11459

agcttctttt accaccttta ttaatctatt cacattttta aaaatctaca ttatttatgc 60
agattatggt gtcataatct cgtgtgtcat tttgatgggc cttttcttca ttcaacatca 120
tgggacacat agagttgcct tcatggttgc ccactactt gcaaaatggc ttttgtgcat 180
tagtggtatt ggtgtatata acagattcta ctggaaccga cacatatacc gtgcactttc 240
tccactctac atgttgaaat tctcagagc cactggcatt gaaggatgga tg 292

<210> 11460
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11460

ctaagctatg ctgcatatat tacaatagac ctctcgacc tcagcagcta aatcaactac 60
agtatagcaa ttatgacctt tccagcgaca gatacaaccc tggatggatg aatcaccccta 120
acctcagatg gtccagccct cagcaacaac aacagcagcc tgctccttac ttccaaaatg 180
ctgctggccc aagcagacca tacattcctn caccaatcca acaacagcag ctacgccaga 240
gacagcccac acttgatgcc cctccacaac cttccctcga agaacatgtg aggcanatga 300
ctatgcataa catg 314

<210> 11461
<211> 202
<212> DNA
<213> Glycine max

<400> 11461

tcttttccat tattcaatgc aaaaccatta caaccctga tcttaaaagg agagatgttc 60
ggttttatgc cattgaacaa ttcatatgta gttttctttg ggaggggtct tattaagcc 120

ctattttaaaa tgtagcatgc agtggttaacg gcttcagccc aaaagtatTT tggaagagga 180
gtatcattta ataaagttct ag 202

<210> 11462
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11462

catatattca gacCcttgag aatgaccacg gaagctctcg gcanattcaa acggccatat 60
acgttgactc gaatgtatga tCGatgccca tGatatatcg agacgctcaa aattgaacaa 120
cagaagctct cgagagattc atatggctat aactnttctc tcggatgtgt gattcacgtg 180
catcatatat cgagacactt gaaattgacc attgaagctc tcgacagatt caaacggcca 240
taactttaga ctCGaatgta tGatcgacgc gcatga 276

<210> 11463
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11463

catgtcacac tgaagtccga ttcaggtgca taatatatcg agacgctcga gatagaacat 60
cggaagctct cgagaaattc caatggtcat aacttttcac acgaaactct gaatcaagcg 120
cataatatat cgagaagctt gaaatngaac aacggaagct ctCGagaaac tcaaattggtc 180
ataacttatc acaccgatgt tCGattcacg cgcataatat atCGagacgc tcgaaattga 240
acaacgtatg gtcgCGagaa attcaaattg tcataacttg tcacacggat gtccgat 297

<210> 11464
<211> 291
<212> DNA
<213> Glycine max

<400> 11464

agcttgatta atcttggttaa tcatgtagct ctgcagatga tggagaatga tgtggttgct 60
gttggttggtc cactgtcatc tggaatagct catgtcatat ctcatgttgt taatgaactc 120

catgttcctc ttttatcatt tggggcaact gatcccactc tatcttctct acaatatccg 180
tatttcgtcc gcaccactca gaacgactat tttcagatgt atgcaattgc agactttgtt 240
gattattaca gatggaagaa ggtaattgcc atttacatag atgatgacaa t 291

<210> 11465
<211> 295
<212> DNA
<213> Glycine max

<400> 11465
agcttgtcag aattctggga ctgttgttga ttcaattggg tagccaattg tcccatctga 60
ttggttaagc tctgaatgga ggctctggtc tcttgctgaa actgcatgtt ctgcatagtc 120
atttgccctca caagttcttc gagggaaggt tgtggagggg cctcaactgt tggctgtttc 180
tggggttgtt gttgttcttg gattggtgga ggaatgtatg gtctgcttaa gccaacagca 240
ttttggaagg aaggagcagg ctgctgttgt tgttgctgag ggctggacca tctga 295

<210> 11466
<211> 246
<212> DNA
<213> Glycine max

<400> 11466
ctgggtcttct atggccatta gtagtgtgtt cttcctcatg tctaccacac agcttgcgga 60
ggacataaaa tgtctgacaa gaatgacgcg aatgtcacca tcttcttcga tctctatcac 120
taccaaataca tcaagaaaga tcatatgctc gaccctaacc aaaacgtctt ctatcactcc 180
atatggtctc gogatggatc tatcaaccaa ctagacggtc atgtgtgtgg gcatgatctc 240
tatctc 246

<210> 11467
<211> 192
<212> DNA
<213> Glycine max

<400> 11467
actcggatgt ccgattctag cacatcacat atggagacgc gcgatattga acaacggaag 60
ctcttgagaa attgaaatgt cataactttt cactcggatg tccgattcat gcacatcaca 120

tatcgagacg ctcaaaattg aacaacggaa gctctcgaga aattcaaag gtcataactt 180
atcactcgga tg 192

<210> 11468
<211> 293
<212> DNA
<213> Glycine max

<400> 11468

agcttttctaa cccatggaag ctctaataat cttccacact ttttggggtg ggccattctt 60
ggatggcctt gattttctca ggggtccactt ggatcccatt gttaccaact ataaacccta 120
ataagacaat attatctata taaaagtagt acttctctat attttcatag aggggtgtttt 180
tcttaaggac tgaaagaact tgcctaagat gtcctaagcg atcatctagg ctctaactgt 240
acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctt 293

<210> 11469
<211> 303
<212> DNA
<213> Glycine max

<400> 11469

tgtgtttaac attcatatat tctcattgta agcatatatg gtctgtaacc ttcaaccttt 60
tctatttgtg aaagcctgga gagacttagt actccctctg ttcctatcta taagacccaa 120
gtttggaatg gtgtttattc atttttataa gaaccaatct ataatgcttc ttgcattata 180
tattggtata ataaaaataa tcctcaataa aagaagaaag agaatgtatt acaaatcata 240
taagagagaa gatattacga caagatattt tgaaaagtagt aattaaggca attatactat 300
aac 303

<210> 11470
<211> 224
<212> DNA
<213> Glycine max

<400> 11470

taaaatattc tcaacaggcc catcttttta cttgaatctt gaatggctgt caaaagccta 60
tatatgtgag acttgggaca ccaatttgct aagagttttt cacaacaaaa acgtattata 120

ctcttaatac gcgaatcggt ttatcctctc acacattcct tggccaaatt acttgtgagt 180
 caataaggca ttatttgggc gctcaaagag ttcaatctat ctct 224

<210> 11471
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 11471

agcttgccac actcacacga tactaatata cgaatattta taatttttgt gaggtggagc 60
 atatatctta gcattattgg ccataaatgt ttattaaaca aatgtacaat atttagagaa 120
 aaccttatgt ttatgttatt attctaata taagtcacac aatgatcaat ttattagctt 180
 tcataataaa tatctcaaaa atgtattggc ttttataata aatatcttaa aaattaattt 240
 aaactggtat gactatttaa ctctaataat tatgtatatt ttttaaataa aaaaacatgc 300
 tt 302

<210> 11472
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 11472

agcttctata gaagggtcgt ttctaatttc tctacaattg catcacctct caatgagctg 60
 gtgaagaaaa atgtggcatt tacctggggg gaaaaacaag agcaagcctt tgctttgctc 120
 aaagaaaagc ttactaaggc acctgttcta gctctttttg acttttctaa aacttttgag 180
 ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg agggcaccct 240
 attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccc 287

<210> 11473
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 11473

agcttghtat ctattacaca aatactgtaa tcgattacca gaggagattt tcaaaaaata 60
 ttctcaacag tcacatcttt ttatttgggt cttgaatggg tatcaaaggc ctatatatat 120

gtgacttgag acacgaatth gctaagagtt ttcagaaaga aaaggtctta tcctcttaaa 180
aagcaaaatc gttttatcct cttacaaatt ccttgcccaa aacacttggtg attcaataag 240
gaattatttg agtggtcaca ttgttaaate tatctctttc aagagagatt tcttcttctc 300

<210> 11474
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11474

atttaataaa ataataataa ttagttgtag gaattattaa atttagtata tacaattgt 60
ttgttgaatg aattaaattg actntaccca aagttacttt taaaataaca caattaaata 120
taaagtatat atataaaaga cagtaaaata gaaattttat attataccta caatgaatat 180
atgaaacana aatgaaaat acgactctat gtatataaaa nacagaaaat aacgcaagaa 240
aagagagcaa aaagaattcg tcaattgtng caaaataaaa aagggatatt tntgttatnt 300
aaataacaat agcttcaaca tgtatgaaaa tgctgtctcg aggcangaca tgacaatnga 360
acatgcanac aatccgatca tagaaacatt gaa 393

<210> 11475
<211> 295
<212> DNA
<213> Glycine max
<400> 11475

agctttacaa agttttcaaa cattaatgaa taaaaaataa catattgaag ttgctattaa 60
cagacaacga gacttggtga aaagagaata taggattcgt ttgataacaa caattggctg 120
tatttgattt ctattgaggc aaggattggc atttcgtggt aatgatgaat aagttcattc 180
aaaaaatcaa ggtaatttcc ttgagcttat acattttttg gccaatcata atgaaaagat 240
tgataaggtt ctaaaaaatg ctcgtggaaa tctcaaaacta gtggcaccta atatt 295

<210> 11476
<211> 284
<212> DNA
<213> Glycine max
<400> 11476

agctttgagc aaattcaaac tacaataact tttgaatcga atgtctgatt gggctctcata 60
agatattgag acgctcgtaa ttgaaaacag aaggctcttag aaaaatcaaa tgacagtggg 120
ttctaactcg gatgtcctat tgagccctgt gatatatcaa gacgcgcgaa attgaaaacc 180
gaagctctga gaaaagtcaa acgacaatta cttttaactc ggatgtccga ttgagtcccg 240
caatatatcg agacgctcgt aattgaaaac agaagctctg agca 284

<210> 11477
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11477

nttatcactc cacccaaadc ttgccttcaa gtttaccaat tataaactg ctgacaaccg 60
cgtgaaagat gtacaccctc catacaatgg tgtgttgga tcaagtctta ttgtatcata 120
cagaggtgca tgcgcttgct caaaagtctc ttgtccaaga tcacagatca tttcctctat 180
acgctctccg ctgtcttcgt gtaccgctg agactgagaa acagttggaa tgtcggccga 240
ttccccatgc catatccatt ttgtgtaatt cggaatgatg ccgtaacata tcagatgtga 300
tcggatttca tcaactgact gtcgtctacc attaagacat ttaacacatg ggcaaaaata 360
attgccccctc aaactttcgg cattaagttg cgtaaattgt agaaattgtt ccaccccggt 420
ctcataactcg t 431

<210> 11478
<211> 433
<212> DNA
<213> Glycine max
<400> 11478

tcaagaaaaa gatggcctca gcaaattcct tatttccata ttggaattct atcaatagac 60
ctccaatctt taatggagag gggtaccaca actggaaaac ccgaatgcaa atttttattg 120
aggcaataga tctaaatadc tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagttcat caagtgaaag cataaccata gaaaaatcta 240
gagatagatg gtctgaagag gatagaaaat gagtacaaca caacctaaaa gccaaaaaca 300

taataacatc tgccttagga atggatgagt atttcagagt ttcaaattgt aagagtgcta 360
 aggaaatgtg ggacactcctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420
 ggataaatgc act 433

<210> 11479
 <211> 428
 <212> DNA
 <213> Glycine max
 <400> 11479

tgtatgcaac tgggcccac ctcgogatta ttctaattgg tccatagaaa cgccttgaaa 60
 gcttggattg actcgttccc gacaccgtgg ttaccgata cggctctcaac ttgactagga 120
 cccattcatt cacttggaac tcatgatctc tacgatgcc atccgcgatt tccttcatgc 180
 gagcctgagc cttctgaagt ttttgtcgaa gtagggcaaa catgtcctcc ctctgactga 240
 gcaattcatc cactgccgcc accgtagaag tgcccgtcaa gtactgtgga aaacttggtg 300
 gtttgcggcc aaaagtgatc tcgaacggcg tcagccctgt ggctgaatgt gtggacgtat 360
 tatacaacca ctctgccac atcagaaaat ggcccatgc gcttggccgg cgatgcacga 420
 acgctcgt 428

<210> 11480
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11480

cgctggcttc tgcagaccaa gaaaaannat cttttttcaa tatttcattt agnggntngg 60
 ctatggtgtt atatctacac acaaaccttc tataatagcc taccaaacc aaaaatcctc 120
 tcaactgttt gggggtttga gaaagaggcc aattcctaac tgctgccacc ttagcagggt 180
 cagtagagac tccctctccc atgataaaat gtgctaaata ctccactcta gtaatatcct 240
 aaagtacgca cttatatattc ttggccaacc atgcatttgc tctcatggta gacaagactg 300
 tttgtaaatg atgcaagtga tcctccatgc tcttncttgt aataagaatg tcataaaaaa 360
 gaccaacaga aacctcctca agtattctcg gaacaccgaa ttcac 405

<210> 11481
 <211> 275
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11481

ggggctgctgc gaacgcagcc ctttttacca attgataaag angcacngcc aaagaggaga 60
 ccttagggga caccatccc aatgcaatga aagtcagcaa catatgccat aagccttctt 120
 gatcaccat ccacccatc caggaaagta tatattaatc gaagctgggtt ggaccgtata 180
 tatactgtca accactgaat gcatccatgt ttcagtacga cgtgggacta acaattacaa 240
 cgttgcagaa ctatcaatac tgtggattga cacac 275

<210> 11482
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11482

gcttcttca tctagttat ccacgaagcc gtaatattha ttctggtcca aangccaaaa 60
 gattttaatt cttcggttca gtaccaata tgcatttaca tcacctaaaa ggattttata 120
 aaaatggcgc ctcttctggt aatcaccctt gtttttatat tgtttcctag gcctcaaaat 180
 tctgccagca gtatcagctg acgtgattc tgaacctgac tgagacttta aaccacgggt 240
 aacaatactt tgactagagg atccaaaaaa gggcaaacca tttaaacctt tcatagaaaa 300
 tccagtacag cttggatcaa acctgaaga tagcatccta gctgcattct cctcaagatt 360
 ttctcttca tcttgcaa atcgccaggtat tntacaactt g 401

<210> 11483
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 11483

tggcttctgc agaccaagaa aaattatctt ttttcattat gtcatttagt ggttgggcta 60
 tgggtgtata tctacacaca aaccttctat aatagcctac caaacccaaa aatcctctca 120
 actgtttggg ggtttgagaa agaggccaat tcttaactgc tgccacctta gcagggtcag 180

tagagactcc ctctccaatg ataaaatgtc ctaagtactc cactcgagta atcctaaagt 240
 agcacttaga tttcttggcc aaccatgcat ttgctctcat ggtagacaag actgtttgta 300
 aatgatgcaa gtgacccctc atgctcttcc tgtaaataag aatgtcataa aaaagaccaa 360
 cagaaacctc ctcaagtatt ctcggaacac cgaattcatt aagccttgaa atgtggcagg 420
 agcatt 426

<210> 11484
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11484

cttgagtcta taggttatga ggtgaagttt gaggctacta ttgttggatg ttgcctctgt 60
 ttaatgacaa gcaattacaa taccattgga gagtttgatg ttaaagagga agaggtaaag 120
 gaaggaaggg aaagtggat tgcagtttac agagttgtgg agtcatacct gctagagaac 180
 ccacaagtgt atgcttaatc atctatttat ttattgtgtc atgtatcata agatatacaa 240
 acatattcaa atttttaata gcagtgtgca accaaatata gggttgttta gaatggttgc 300
 aaagacttga attccttaat aagtccttat tgtatgaaca gcaaaaaaat ggcgagtggg 360
 ttggcaaaaa tatttgtatt ttggtagtaa caaagagtcc aagagtnagt tgttttacct 420
 ttacttcatg aat 433

<210> 11485
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11485

tctaaacttt atacaagtat gaagctctga taccactttt tggacaagtg gcctcagata 60
 tcttaagaag ggggggttga attaagatat taaaacttaa ttccccaatt aaaattctat 120
 ttcactttct attcaagtta taaattccct taataatgaa tttcttaaatt attgattcaa 180
 ataaaacaat ttgaatatga atataaaaaca ataataaata aatgagttta agagaagaga 240
 aaatgcaaac tcagatttat actgggttcg ccacaccctt gtgcctatgt ccagtcctca 300

agctacccgc ttgagagttc cactatcttg taaattcctt ttacaagttc taaacacaca 360
 aggacaaccc ttcctttgtg tttagaattc tttcacaaca agagaccctc ngtctc 416

<210> 11486
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11486

tgtcttcaac aaacaaatca aaatcaattt tctgatcttc ataacctagc tccggcttcc 60
 tcttccccat atcaactatg cagcttgogg tcaacatgaa tggccttccc aatattacag 120
 ggatgtcagt atcttcagag atatccatta ccacaaagtc tgtcgggaag ataaaatggt 180
 ttactctgac caacacatct tcaattactc catatggcct ggtaatggag tgatcaacta 240
 attgtaaagt catttgagtg agcattatct ccaactctcc caatcttttg cacatggaga 300
 gtgacatcaa attgatactg gatcccaggt caataagagc ttttcccaca ttgacttctc 360
 caattgaaca aggaatagtt acactcccag gatctttatg cttgggtgga aggatctttn 420
 ggatca 426

<210> 11487
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 11487

tgtaggtaaa ctagatgcct tgggttaatct ggtaacctat ctggccatga ataaaaaatt 60
 ttcacctgtc gccagactct atgggtttatg ctctcttatt gaccaccaca cagacctttg 120
 cccttctgtg caacaatctg aagcaattga acaacctgaa gcttatgctg caaacatcta 180
 caatagacct cctcaacctc agcagcaaaa tcagccacaa caaaacaatt atgacctctc 240
 cagcaacagg tacaatcccg ggtggaggaa tcatcccaac cttagatggg cgaatccttc 300
 acaacaacag caacaacaac aatagcctta ttttcaaaat gctgctggcc caagcagaca 360
 tacgttcctc caccaatcca gcagcaacaa caacaacaac aaccccagaa acaacaacaa 420

<210> 11488

<211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11488

ntactgtgat aataaatcat ccatagttat tgctaacttc ctcatccaac atgatcgtac 60
 aaaacatgtg aaaattaaca agcatctcat caaagagaag attgaagatg gtattattgt 120
 ctttcctttt gtaaaatcag aacaacaact tgctaatatg ttgactaagg caatatcatc 180
 taaggccctt agtagttctc ttgataagtt gggaatgtgt gacattcatg caccaacttg 240
 agagagagtg ttagaatcca ttaactgaag ggattagcta tgatttgaat ttaaattata 300
 attgatctaa atccctgtat attttctcct nttttatttg tgattntatt ttgatatttt 360
 gtactaataa tcatggaaaa atgatagaaa ggattatgta tttattcatt gtctcatatt 420
 aatg 424

<210> 11489
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11489

ctaataacat atatttattt tcaagttttt aaaatcatta acattngat aatcaaagaa 60
 cacgagtaaa gaagtctcac attatgtgga actaagaaaa cttaaagaaca taaaaataag 120
 aaaattataa atttaatgat taaaattttt tccttaattg ttgagaaaac tcaagtctca 180
 tgtcagttaa aaataaaatc aaattaaaat atataagtga agaacaattc tcacactaat 240
 ttttaggatt gaattagacc taaattcata ttctaagatt ctaagattct aagatttgtt 300
 taatgataat gtccatactt tttagagtca agttatactt aaactcacat tctaagatta 360
 atataatctc aaatttaatt acgcgttttt ttcgatatnta ttgatagaaa tcttaaaaat 420
 tgaaaa 426

<210> 11490
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11490

tagttcctag cttagctctt aggggtgtcnc taagtgggta aggaacttag catctccatc 60
tgacacaatg gtcctaggta aaccatggag tctcacaact tccctgaaaa agagttttga 120
gatgtgagaa gcatcatcta ccttgtggca tgggtataaag tgtgccatct tgctaaacct 180
atccaccact acaaagatag agtctacacc tctttggggt ctaggaagcc caaggacaaa 240
gtccatacta atgtctacca aagggtgcaga tgggatggat aagggtgttg atgtagctcc 300
atatggagct tgtaggcctt ggatatactt tatcaatgga gtcctttgct tcttgaagat 360
caatggcagc cgaatggaga tggaagatag atgatt 396

<210> 11491
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11491

ttaatggaag ttaagaaaat gaaattgcgt tgatactctt aattgattat taggnnttttg 60
ggctgggttga ggacatcaat actatatttg gaaagaccca aaagaacttg acaagtaaaa 120
atttcatatg gaagaagaga tcgatatttt tttatattcc atactagtat gatctagatg 180
ttagacatag tattgatctt atgaatatgg agaaaaatgt gtgacagtgt aatcgacatg 240
cttcttaaca cttaaaggag gacaaaggat ggtttaaata ctctcaata tctagctgag 300
atgtgtatac gtgaccagtt acgtccaagg tctgatggta agaaaatata ttagcctcca 360
gcatgtcata ctttgtttat aaatgagaag aacaagtttt atcagtgtct gtgatgtgtt 420
aaagtaccac ag 432

<210> 11492
<211> 430
<212> DNA
<213> Glycine max

<400> 11492

accagctatg actgaactag aatgagggga taaggatagt ctttgacctt tgtgagttga 60
attgatcoga cgttcaatat tttatccact aaatattaat ataatttatg gcgtaaatac 120

ttgagttgag aatcaattat ttgagagatg aagtagtcag acaatccaaa taattaagag 180
acattatattt tctgtcatga gcatctttaa tgttaaacad tagtatatct tgcgtattaa 240
acatcattag accaatagag ttgcctaact ttatttttat gagctctatt atataacatc 300
tttaataaat ttaacaactt ttttcacttt ttaataatgt aactcttcat atctaactta 360
aaatagatct aataaattat tgtagatggt tatatttttt taataaggaa ttattttaat 420
attaaaaaca 430

<210> 11493
<211> 340
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11493

tcaatgttgg atgaggtgat agaataattg aagcagtttc atagcacagt tgcagatgat 60
aaatagaatc aacatgtcat cgatgatgct gccattgacc atgcagcaac agcttcaaatt 120
gtcgatgatg tctccaatgg gcatgggatt agggatgggt atggggatgg gtatgggaat 180
ggggatggat atgaactnca tgaaccngnc tcacatnctt ggcatccctc cagtcctcca 240
cccttctgcc ttcatgcca tggcagcctc gtgggatgcc gcggccgcat ctggtggcgg 300
tgaccgactt ctatggactc ccgtcaacgt gatgcctgac 340

<210> 11494
<211> 427
<212> DNA
<213> Glycine max
<400> 11494

tgtatttttc tcacatatag gacatgtggt atggcctttg acactataac cacttaaatt 60
tccatatgct ggatagtcac tgatggtaca aaaaaccatt gcacgcaacc taaaggcttc 120
tcgcagatcc ccatcccaca tatctaccct gtgttcccaa ttttttgtca agtcttctat 180
caacagagtc aagtagacgt caatatcatt ccctggatgt cttagatccg ctatcatcat 240
gcaaagcatt atgtactttt gcttcatgca caacgaagga ggaagggtgt aaatcattag 300
caaaacaggc catgaactgt gattgctgct taagttacca aatggattca ttccatcgaa 360
agcaagacca agccttagat ttcttggtc attcctaaag gtctctcgca gattcccatc 420

ccacata

427

<210> 11495

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11495

ntagtggaaa gaaagaatag tttagtttta taggaccatg atcaccacct aggacttgtc 60

atgggggaaaa aacctgaagg agacaaagga aacagccctg gcgaaagtgg aggctgcggc 120

ccggagccta aaatccccga ctgtgcaaag ggtgacaaag ggaaatgggg agtaaacga 180

gatggaaact gaatgccagg ggacaacagt ggtggataac cagactgagg ggagagaaaa 240

ttcatgtagc catttggtag atgcaagaga aactgagagg ttggagaagg taaggtaa 300

atgacgccat ttggttgt 318

<210> 11496

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11496

atgagtatgt ctgcgaatcg gacatcctgt gaaaagntat gatcntttga atttctcgag 60

tgcttccggt gtttaatttc aagcgtctcg atattttatg tectcaaadc agacatcgga 120

gcgaaatggt atgaccattc gaatntgtcg agagcttccg tttttcaatt tcgagcgtct 180

agatgagtta tgtcaccgaa tcagacatct gagtgaaatg gtatgaccat tctaatttgt 240

cgagagcttc cgttgttcaa tntcgagcgt ctagatgagt tatgtcacgc aatcggacat 300

ccgttgaaaa agttatgacc attcggcttt gtcgagagct tccgtgggtc aatttcgagc 360

gtctcgatat attatgctcc cgaatcggac at 392

<210> 11497

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11497

cactntgatt ctctggtttg tagtacagta actacacttc tccttccctt ngaacttctc 60
ttagaagaaa aagctntatc ttgaaatgct tagttttgcc atgaaacact ggatcattag 120
caattgagat tgcagcctgg ttgtccacaa aaatatgtgt gctctcttct tggttcatat 180
gcanaattgt cataattctc ttgatocana gagcttgatt cattgcagca acagcagcta 240
catactctgc ttctgcagtt gattgagcta caacttcttg cttntagaa caccaagaaa 300
agactccaga accaaaggaa aaacaataac cagatgtgct tctcatgtca tcaatacaac 360
ctgcccagtc actatcagaa tatccatgga gcttanatta tgagaatgag agtacatata 420
ccatagtcta aagtgcgtca acatatctaa taact 455

<210> 11498

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11498

atacacggat gtccggttga gtcccgtaac atatcgagac gctcaanatn tagatccgaa 60
gctctggcaa aatttaattg acaataactt tatacacgga tgtccggttg agtcctataa 120
tatatggaga cgctgcaaat ngaaaacgga agctcatagg aaattcaaac gacaataact 180
ctntactcgg atgttcgatt gaatcgggta atatatcgag acgctcaaaa ttgagactag 240
cagctctgag caacatttaa tgacaataac tctatacacg gatgtccggt tgagtcccggt 300
attatatcga gacgctctca atngagaatg gaactcttag aaaattaaac cacaataact 360
tttact 366

<210> 11499

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11499

gctcacctcc ttgagaagct tgcttaagag aattcctaaa gaagctagag cttagcaaca 60
cacacatctc taatagctaa gctcacctcc ttgagatgag aagctagagc ttagctacac 120

naccctata atagctaagc tcacccccgt gacacaaaaa agatgaaaat acaaaaagaa 180
aagtccttac tacagagact actcaaaatg ccccgaaata caaggctaan accctatact 240
actagaatgg ccaaaataca aggcccacac gaaggcaaac ctattctaatt attacaaaga 300
taagcggctc atacttagcc catgggctan aatataccct aaggctcatg gagaacctan 360
ggccttcctt tgatctctag cccaatctac ttggagtct 399

<210> 11500
<211> 305
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11500

atctcgacat attatatgcc cgaatctgac atccgagtga aaagctatga ccatttgaat 60
ttctcgagag ctctcgtngt tcaatttcaa gcgtcccgac atattatgcg cccgaatcgg 120
acatccgtgt gaaaacttat gaccctttga atatctggag aacttccgct gttcatttct 180
tagcgtctct atatgtgatg cgectgaatc ggacatccgt gtgaaaagtt atgaccatat 240
gaatctctcg agagctctcg atgtgtaatt tcgagcgtct ctatatatta taagcctgaa 300
tccga 305

<210> 11501
<211> 362
<212> DNA
<213> Glycine max
<400> 11501

cctcaagggtg gagcatataa attgtgctcc aagcttggaa catataaagt ggatccgagg 60
acctetcaag gacttgggtca ggatgtctac aagctggctg ttggagataa taaattcggg 120
actgatttct ttggaccgta gcttttccca cacaaaatgg aatcaatctc tatggtgtta 180
gctctctcat gaaatacacg attagaagcg atgtgaagag ctgtctgatt atcacaatac 240
aacttcatct attgaacacc acaattttta ttcttgaaga agttgtttta tccacaccaa 300
ttcactagta acaagagcca tagctctata ttctacttct gcactcgatc aggcaacaac 360
ac 362

<210> 11502
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11502

acttaattac aagatattct tatgcatagc agttatcagt gttcaaaaact aaacctaatt 60
 attagtaaatt tgctaaatca atccaaaaaa gattgaatac cgcaataccc aaaaatctca 120
 taaagtgggc attcttttgc tatctcattt gttcttttga tcttgctata aaaaattgaa 180
 ccaaactgaa taaaccacat aatttaatta tattacattt tattgtggta attaataata 240
 atttattact cttccttttg ttataaccaa gatgcatatt tcactcttat atgttaaaaa 300
 agaatgtact aatattgtta aaaatagtat taaatatcaa gtgaagcaca tattactata 360
 atgttaaaca cagagagttg gtaatatcat tntatattag tgctacactg aagtganata 420
 acaatcttta ctaatatata ttac 445

<210> 11503
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11503

ctaagctaag ctccttcaac tgcacaaggc tcttaatat ngaagagtat tcttgtggaa 60
 ccttcacccg acgaagacac tggcaaaaac ttatcttctc tttattggac aaagtatggc 120
 aggctgngg caaagtaaatt ttcttcccat cagaccttgg atgcaactgt gctcttatac 180
 ccatatcagc tagatcttga cgggtattca agccatcctt cgtcttgcct tgaatgttaa 240
 ggagcgtccc aatcacactg tcacanaaca ttttctccac atgcataaca tcaatacaat 300
 gtctaacgtc aagatcacac cagtacggaa gatcaaagaa natggacctc ttcttccata 360
 tgcaagtctg ac 372

<210> 11504
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11504

taatgtatct atatgtacat ttattaatat aaattntata tataaaagaa aagttaccat 60
aataaataat tgttttttatt aaatcaaata agagaccaat aaaaaattta tccgaaaaca 120
cattanagaa ttaaattatt ggggtgaataa ttntttttat ttcattgcta taataatata 180
aatatatttt tatgaataat tttatataaa taaaattaat gttttaaata aatntgttta 240
gacaagttat tatntaattt tntaattatc atcttcctac ttatgtaaac tggatgatgaa 300
tatctcttac ctacatanaa tttgaattta tntatacatt gatatctata tatgtaaagt 360
ggttaatata taaagtatat at 382

<210> 11505

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11505

ttaaagatgg ctagatttgt taaacatatg cacttagtct atgaaggaaa gctggagatg 60
ctgcacaaga tgtccaacgt tatgtcaaag aataatatcg ggctgcacaa tgcacaaagc 120
aagataaaat gtcaaatgaa gaattgaagc ttgctgattc acgatgtcgg atacaatgtc 180
caggacatcc tgcctgaaaa tactggaatt gctaaaagca ttgaagctgc aggatccacg 240
atgtcngatt caatgttcat gacatcctgc ccgaaaatac tggagttgct aaaagcactt 300
gagttgcagg atccacaatg tcggattcta tgtccaggac atctngcccg agaatactgg 360
acatattaat ctgttatatc tttacagatt att 393

<210> 11506

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11506

atactctcat gtgatcaact cttggcttca ctccactcca tgcttcttgt ggtgggttgat 60
ctttgacatt ctntgtggg gagcgattgg acaaataaac ggcacatgca acagcttcng 120
cccanaattc ctttggcata nttttagcct tcaacatata tctagtcata ttaagaatag 180

ttctatTTTT tctctccgct accccatttt gntgtggaga tctaggaacc gttagagggc 240
gacgaatccc atatntttca caaaattcat tanattcttt tgatgtgaat tcgccacctc 300
tatcggatct tagagctnnt gatacataac cactcttctt ttcacaagag ctcttaaaat 360
tt 362

<210> 11507
<211> 406
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11507

tcttaggtgt tatagatgga agtctcatgg tgggtacatct gttcaaaaca tatgctgntg 60
tgggtggccgc ttctccccgg tagcaattng gtagtccttt ccctttaagc atacacctag 120
ccatatctaa tagggttcta tatttacttt ctaccaagcc attgtgttta agtgtataag 180
gagctattac ctcatgttca attcctttag tttcacaaaa ttctttgaac tccttagagt 240
tatattcacc cncctcatct gttctaagga tttntagctt caattcagat tgtctctcaa 300
ctaatttgag agcgagagaa tattgcacct ttctctttca atagatatat caaaatactc 360
ttgggttaatt catccacaca agtcaggaaa tactgatgag gacatg 406

<210> 11508
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11508

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aacttattgt cgtttgaaat tgctcaaagc ttctgtattc aatttatggc atctcgatat 120
attaagggac tctatcgaac atttgaggaa aaagttattg tcatttgaat ttgcttgaa 180
catctgtttt caatatcgag cgtctggata tatgatggga ctcaatcgga catccgatgt 240
taaaggaatt gtcgtctgaa ttctctcaga gtttcagttt tcaatctcat gtatctcgat 300
atacttaaga cttaatcgga cttccgagta aacatttatt gtcgtttgaa ttagctcaga 360
acttcagtaa ttcatattaa gccgctctga ttaataaatg actg 404

<210> 11509
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 11509

tggacatcgc ttcatttttg tgcctatgga ttacttcacc aaatgggttg aagcggcttc 60
 atacgccagt gtgactagga gtgtgggtgt taggttcac aagaaaaaga taatttgctg 120
 gtatggtttg cctacgaaga ttatcactga taatgccacc tatctgaaca ataaaatgat 180
 gaaggaaatg tgtgaggatt tcaagatcca acaccataat tctatgcctt gcaggcccaa 240
 gatgaatggg gcagatgagg ctgctaataa gaacatcaag aaaatagttc agaagatgat 300
 cgtgtcatac aaggattggc acaagatgct ccctcttgca ctacatgggtt attgaacctc 360
 gatacgcaca tctactgtgg caaccccggtt ctctttggtg t 401

<210> 11510
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11510

acatacctct ctaatagcta agctcacctc cttgagatga gaagctagaa cttagctaca 60
 caccnctat aatagctaag ctcaccnca tgacannaaa acatgaagat acaaaanaga 120
 gtccttacta caaagactac tcaaaatgcc ccgatataca aggctaaaac cctatactac 180
 tagaatggcc aanatacaag gcccaaaaga aggaaaaaca tattctaata ttacaaaaga 240
 taagcgggct catacttagc ccatgggctc gaaatctacc ctaaggctca tgagaaccct 300
 atggcctacc ctnggatctc tagcccaatc tacttggagt cttctacca at 352

<210> 11511
 <211> 364
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11511

ttcattacaa gatagcagaa ttcaccaata acaacatgga tatgaagttg aatatttcac 60

caattgtttt atacttattg ttgactatat ctggtacagc tcaatcagtt ggcacgata 120
taaaaaaatt tggcggaata ccagatgcag atataacaca ggtaacatct ggttgaattc 180
acttttaaaa aggttgaaga ttctattgat tattattaat taccactatt gtgttcgatt 240
tgaatatata tatatatatt ctcaaggcctt tcaactgatgc tctgaatgta gcatgtgcat 300
taacaagngc atgcaaaatt gtaattccaa atgggacata caagatgaaa gtcattgatg 360
taaa 364

<210> 11512
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11512

gacaaagaaa ttaaagatat tcaagatgga tgatcataga cagtctctag agtcttagga 60
atggtatatt aaataggaag ggaattccta attgaagtag caaaagggtt ggccaagaaa 120
tttaagttaa aaagtctttn tcaagagatt tactctctgg taatcgatta ccagaggatg 180
taattgatta ccagtggcca aaaatgattt acaacagcta ttaaaatttg aattcaaaat 240
tngcactgtg taatcgatta cacatatatg gtaatcgatt accagcagtt attgaacgtt 300
ttatattcaa atttaaagct tgtaatcgat tacacacata ctataatcga ttaccagagg 360
agatnttcag anaatattgt caacagtcac atcttttcat ttggttcttg aatggccatc 420
anaggcctat atatatgtga cttg 444

<210> 11513
<211> 346
<212> DNA
<213> Glycine max
<400> 11513

tctcgggata ttatgcacct gaatcagacc tccgggtgac atgttatgac tcattgaatt 60
tctcgagagc ttccgttggt caatttctag cgtctcgata tcttatgccc ttgaatcgga 120
cctccgagtg aaaagttatg accatatgaa tcgctcaata gctttcactg ttcaatttct 180
agcgtctcga tatgatatac gcctgaatcg gacctccaag tgaaaagttg tgaccatttg 240
aagttctcga gagcttccgt tgttcaactt agagcgtctt tatattttat gcgcgtgaat 300

cagacctccg agtgaaaagt tatgaccatt cgaatatctc gagagc 346

<210> 11514

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11514

gtcacctgcn gcatgcagct cttctggcca gcctgaacaa gacgttanag ggttattatg 60

gaatgtgtca catgccanca gaataagaat agtcacaggc gccagctgg tgtactgcaa 120

cctttaccga catcagaggc cgtgtgggaa gacctctcta tggacttcat caccacttg 180

ccaacctcca atgggttcac tgtcatccta gttgtggntg atcgtgtntc gaaaggagt 240

catctatgtg ctctttccac cggattcacg gcgttcaaag tcgcaagcct attcctcgat 300

atcatatgcc aactacatgg gttccgcaag agcatcgtgt ctgaccggga ccctatcttc 360

atgagcaagt tct 373

<210> 11515

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11515

agatcactgt gtaactcttc aagatgcaat tgaagganaa ggaagaaagc aaggaaatta 60

gagaagtcca cgagaccgag gtagaggcca ttgtcacagt cgaggacagg ttggatgtgg 120

caatagtga agaggttcaa atttcatcaa caacagttgc gagataggaa gaaattcaac 180

aagagaacgt ggaagaggct atgcaagcat aaggatatgat aaatctcaa ctcaatgcta 240

taattgtcaa aagattggcc actatgcttc taaatgtaga ttccccaaga atagagttga 300

ggaggagact aactatgtgg agcaaanaga cgagaagntt gaaacaatgc tcctagcatg 360

tgga 364

<210> 11516

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11516

acatgtatct cgaacactat aatctatgat taaaacatat aacntctgaa tataaattca 60
tacatgcata tatgtcacia cacaagtgtt ccttggtgaa tctgagttga aatcttttagg 120
gtgtacaact ctaacttatt ttaattctac atcatataat tagagactnt aattagtcac 180
caactaatta aactaaaatt ctacttgtca aaccagtata taagttatta caaaaatggt 240
ctccacttta cactcttatg agttcattac nncctttcta attcaatgga atctagatca 300
ccattaatca accttaatta gtcctcagta aattctaagt ctacttacat taatttataa 360
tgttctttca cgcgtctaaa ttctatttct agaccaagat ccaattatta acatct 416

<210> 11517
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11517

cttctagaat tgctngttag catctcattt ttaatgtatt gcagaggggg tatgatatga 60
tatnttttca tgatataata tttgaaggat atatatggga attatctaaa gctaattatg 120
tcatgttgga taactggatt ttttaaatgt agttattttt gtgtaaaata agaagatgat 180
tggtttgaac gaatgcagta tatgcagcat gatgtgctac atgtggacga ttggcatgaa 240
cgatttttaa aaatattgtt taagcatatt atatatagca gtgcatatta tgctaattatt 300
catcttgact cacaattaaa ttctatattc acaaaaataa aaattgtctg tatgtcaaca 360
atgtagctgg ataacgtaat attacattat a 391

<210> 11518
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11518

aatattttta aaggcttgaa tattattgag tataaaggac tatgaaattc tatagttttt 60
attgaatgga ccttagatgt aacaaatact attgtttggg tgctgtcaa gtactagtta 120

caatgtagtg tcatatcatt acttaattga cgataaagat tcaacacaag gtttgatata 180
tcaagaaaat aatgttacc aatcatttat tgaagaccca aaataaanag attgtcatct 240
atcaatgaat tcaaacatat ttatatcttt cttttattaa caagaagttc acgtgtgaat 300
tattaataag ctcttattaa taacattata ttgataggng cttattaacc tgttacctaa 360
tattttttaga atttgaaact ctttacccaa tttaatttga tctagcacia aatgtcacac 420
aact 424

<210> 11519
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11519

ctgcagctta cctatcacag ctgcttanaa gctctgctnc ctatggttct taataactcg 60
ctattatact gtcctgaaca gccatataga ctcaaata taagtgaatt gaggcacaat 120
atgctgttgg gtaagcttac tagactntta cagtcttcca aaatcaaata ttcaagctct 180
cttagaagac cgacggatgg attgatatgc ttgagatgtg tacatccttc aagagttaga 240
tggtgaagat ttacgtcctc tntgaaatgt ggtaactcaa caagacttgt gcagtctttc 300
aaattcaaat aagccagctt tcttagaaga ccgatgg 337

<210> 11520
<211> 465
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11520

agctatactg canacatcta caatagacct cctcaacctc agcagttaaa tcatccacta 60
cagaacaaat atgacctctc cagcaacagg tacaatccta ggtggaggaa tcatccaaac 120
cttatatggc cgaatccttc acaacaacaa caacaacaac aacaacctta tttttagaat 180
gttgctggcc caagcagacc atatgttctt ccaccaatcc aacaacaaca acaacaacaa 240
caacaacaac cctagaaata gcaaatagtt gaggtcctc cgcaaccttc ccttgaagaa 300
cttgtgagggc aatgactat gcaaaacatg cagtttcaac aagagaccag aagcctcatt 360

cagagcttaa ctaatcagat gggacgaatt gctacacagt taaatcaaca acaattccaa 420
aattctgaca gattaccttc tcaatctgtc tagaatccca aaata 465

<210> 11521
<211> 301
<212> DNA
<213> Glycine max

<400> 11521

gtttcttgag agatcaataa aggaaagga tgtggaagat gaaatgtcat ctggaattcc 60
accagaaaga ctattgttag ccaactctaa cctttgaagc attccaagct tccaagacc 120
cacaggaacc gtcccagaaa gaaaattgtt ctgaattcta acacgaacta gtgaaggaca 180
cattgatagg cttgatggaa ttggaccagt gaatgcattg ttgaatagta taagcatggt 240
gagaatgccc tggctgcaaa gagtttctgg aatctctcca gagagtgaat tggatgatac 300
a 301

<210> 11522
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11522

tatctactac gcagctngta gttacatgaa tggccgacca agaatgagag gaatatatgc 60
atcctcttct atgtctatca caacaaaatc agttgggaat ataaggtggt tcaccttcac 120
taaaacatct tcaatcactc catacggtct tgtgatggat cgatttgcca actaaaggggt 180
catgcggtga ggcattatct caagctctcc aagtcgccgg cacatgaaga gaggcattag 240
attgatacta gctccc aaat ctatgagagc ttttcctata gcaacctcac caatagaaca 300
tgatattgtg acaactccag gatctntgtg cttatgagga aaaatgcatt gaatcacagc 360
actacaattg ccttccacca taattcaatc attgtggatg taccggttct tcttcggttaa 420
catatctttt aaaaatatgc atagagtgc at 452

<210> 11523
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11523

tacctcagct ggtntcataa gatcatgtnt actccgtcgc acgttgagca agttttgcac 60
agcttgcccc tctatggaca tctcaccgc actagctctt actctggcct gaactcgaac 120
caatgcctgc atgcacctta atgtccccgc tgtctgcttc ctcacctgtc tccccccgaa 180
caagtgcctg aatcctcacc actgccttca atgccctcaa agccttctt gcttgcaatc 240
accacacaag tgatgtcgaa atataagggt ggtctagtgg taaaggccga acgcataatg 300
aaaagggtgga gagggcatat gttagaaact aacaatccta gcaattaata tttgtctata 360
aaaaaaaaata gtgaatgt 378

<210> 11524
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11524

cttagctcct aaaaatttat attgtttagt tttttatttg attccagttt ggcttcaatt 60
ttaaatacaga tttttgtct ctctatttta aaacataaat aattntaatt cttgtgtgag 120
ttaaccatct caagacaaat ggttgacttt gacgtgatat gaaatctatg tacgcaattt 180
acataatact tattgtaaaa aagatttaat aataataaat atagaaaaat atcttaatgg 240
aaatncaact aataatcctt tataaataat gagagcagtc aataagatat gtgtcttagt 300
tagttaatta cattaatatt atctnttatg tattattatg taagattatt tcttttcaaa 360
tatcaaaatt atattctaac aatattaata tataatattt ttatatatgt catata 416

<210> 11525
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11525

tgacattcca ttgtgaattg atcactntgc atttctcaaa gaaatcagcg attntgttgc 60
ttgattcctc tccattgagg ggggtcaatgt ggaagccgga gaccccatca acaataatnt 120

ctgctggacc tccttggttg gtggcaaaag tgggcaagcc acagttcatt gcttcaatga 180
cagttaatcc aaatgcttca tacanagcan gctgcacaaa ggctcctctt gtgtcagcga 240
tgcaacggta gagctctcca ttgcgatacc ttttgtctg tgcagcaatc catctaaatt 300
gacccttgag ttggtactta tca 323

<210> 11526
<211> 288
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11526

actatattat ctacacaaaa ggtacacttc tctatattnng catagagggt gtttttccta 60
aggactgaaa gaacttgtct gagatgtcct aagtgatcat ctatgctcct actatacact 120
ataatatcat caaaataaac aactacaaat ctacctatga natcccttaa acatgatgca 180
taagctcata aggtgcttgg tgcatagtga gccaaaagca tactaccatt atacaaccaa 240
cttgtctgaa cagtttcact ctacctttta tctgattgta tacccttt 288

<210> 11527
<211> 371
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11527

ctaatatgct tctcagntca agaaaacccat gggtacattc atcattgact ttnggacaag 60
gaatgctacc attactttct gcatgccacc cagatcttga ccactcacga actacagtct 120
cagcaacagc atttggttca ttntgttcaa cagcatatgg ttcattgtgt tatacactta 180
tattatcctc accatgcagg taatcacgac cctgacagac aaactccaac ataattggat 240
ctgcaccacc tacaagctgg ccagttcgaa gctcgcgaca acagatgaga canaggctga 300
aagagcattn tgtacagctt ctgtggtaat caaatattga cgttttgcag ttgtcactac 360
aagagagagc g 371

<210> 11528
<211> 260
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11528

tagtgttgcc atgttttcaa agcccgact aaggcataca actccttatc ataagttgaa 60
tagttaaggg taggaccact taacttttca ctaaaataag caattggatg gccttcttgc 120
atcaacacag ccccaatccc aacattngaa gcacacact caatttcaaa agatntttga 180
aagtttggca acgcaagtat gngggcatta gttagctttt gcttaagaac attgaaagct 240
tcttcttggt tctctcccca 260

<210> 11529

<211> 369

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11529

ctataaatag acctcccatc tttaatggag tgggttacca ttactagaaa acccgcatgc 60
aaatttttat agagggcaat agattttaat attttgaag ccatagaaca aggaccttat 120
gttcctcta taatagctgg aagtgaaca atagaaaaac ctagagcaga ttggactgag 180
gaagaaagaa gattagtaca atataattta aaggccaaaa atattattac atctgcctta 240
agaatagatg aatactntag ggtttcanaa tgtaaaagtg ctaaggatat gagggataga 300
ctacaagtaa cacatgaagg cacaacagaa tgtaaaagat ctangataaa tactntaact 360
cgtgagtat 369

<210> 11530

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11530

acatatatga ataattaaaa aacaataaaa cacaatacca aaagtaagta cataccacta 60
gtcatatatc attaaagtaa ttaagtttaa aacacataat cataaacaac caagagcaag 120
tcaatataat catcatgttc agtcatacta agcaagtatt aaaagaaata ctaagtattc 180
aaatttcata aaaacatagc caaatacaag gcttaanaac aaaatataat tataatctaa 240

atctattatc agagaatcaa aacttaattc taagtaacaa anattagtta tgaacacata 300
catggtaact cattacttat ctcaattatt ttagcatatc aatataat 348

<210> 11531
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11531

atctccttga tagggggccaa atgggtggac tcagaatcgc catgcataga gttgtcaggc 60
tctgagtctg aggtgtaatc tattcatgca gaactaatag gtcataataa tctctacata 120
atgaagtaaa atggaaattc taccacaaca aaattacaaa taataaaatg atgctagaga 180
aatntaagga ggttgatact tnttgaatca naattgatat agattgacca tacta 235

<210> 11532
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11532

gattccaaca gtaaccttaa tgccgcttca ttataaagtg ttaataaaac attaaaacac 60
acacacaaac cacaatacaa aaactatatt acctgccatg caaatcgttt tccattcata 120
tcaatctcaa aatctgtcaa aaagtgtatc aagtaattct agaaactcta taagatatag 180
caaaatatgt caataacaga caagtgtatc caccagcagg gtagaattga agaataagg 240
atgaaggatc aatcatcaaa tccctatatt nttcaggaag tgcacttgaa ctgtaacaag 300
aacttaacca gcatcagcac aggatgcatg atataat 337

<210> 11533
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11533

actgagatgc agctgtagat gcttaaaaac ctggatttgt anatttttca gctcagacga 60

aagancccaa tcagagntgg attcagacct aataatgact agcctgacat actttatatt 120
tacttctaata atcaaggaaa ttatattaca taatgtataa aacataacca aattacaaaa 180
catagttttc aaaatatatt aaaaataact accatacgaa aactacttta catgtgttag 240
ttgttacatt attttttttg tataggatgt tctacttgag gtaattatat ttgtgtgggt 300
aaatatattg gaccatcttg ttaanaaaaa ttataatata gaataagtgt tgtttagaag 360
aatacagttt aataaacaga taagatcggg ttattaaaat acacaatata ttatttttta 420
atagaaac 428

<210> 11534
<211> 515
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11534

atatacctat caatcattat ccactttttt ttttcttctt canaatatct aaatcaattt 60
cccgagttgg atatggaatg aatgaataac gtcaacctgc aaatgaagaa cttatacaaa 120
tgtagcatac atttgaaata attaatatca aagtatttta cattgcatgt aactataatt 180
aattaattaa ttaaattatc atcatgataa aaaaaacata taactgggtt ttaaaaatat 240
attaaatgaa agctgaaaca taataaaaat atagaactct taattaaaaa tctattattt 300
atgatttttc gcttgaaaat actgatacca ataanaaagt atagcacaca tagctaagaa 360
agatagttga ctacaatctc caatgaaaag ctagttagtt acacgtacac accatgaaga 420
tgcatatata tatacttcat tccacgacta ctactttacc ggctaaaata ttatctaata 480
ataacctaata actctactat agatcttcta ctgta 515

<210> 11535
<211> 229
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11535

tcaacctaac attgtggaac ttaagggtgc atatgangac anacaatcgg tgcatttggt 60
catggaacta tgtgcgggtg gtgagctttt tgatcgtata attgctgagg gacattacac 120

tgaacgtgcc gcggtttcgt tgtaacaacc ataatgcaga ntattcacgc tttccactcc 180
atgggtgtca ttcatagaga tcttaagccc gaatattcct catgttgaa 229

<210> 11536
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11536

tttcccacaa ctctcataaa tgggagagaa atgttcatct aaagcataca agtcacctaat 60
attatcaaatt ccttaaaatt gagctcctag ggagcaaaac aatgtgtgtc tccatagagag 120
ggcatcagct accacatttg tttttccctt tttgtatttg ataacatatg gaaatngctc 180
taggtactct acaccatttg catgcctcat gtttaacttg ctntgccttc taatgtactt 240
aagtgattga tgatcactat gaatgacaaa ttccttggaa acaaggtaat gttcccaagt 300
ttggagggct cttattaagg cataaagctc tatatcat 338

<210> 11537
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11537

tgaaagtgag tgagacatcc aaaanacaaa gaaaacccat caatttgaag ccaaaaatta 60
cacatagaat gacattttct caaagaaaac caaatgcgat atgcagacag tacctcataa 120
cagcgacgaa tatgaagttt ctttagattc ctacagccac tagctatgcc acacatggct 180
tcattctcaa tgcttgaaca atctaccaat tgaagtgtt gcaagaaatt gcatccctgt 240
ccaacctgga caagaccagc atcaccaatt ctttggcagt aaagcaatgc taactcatag 300
agatgtctgt gcaatatata gctaagatta gcatcactaa tgaaagtgag ctaaatatcc 360
aaatacatg 369

<210> 11538
<211> 308
<212> DNA
<213> Glycine max

<400> 11538

ccttcttttc tcatgtgcac ccttatccta tctttatggt cgaagacaac cttctttctc 60
cctttggtgg cttggttagc ataactttta tttctactct caatttgatt tttcactctc 120
tcatgaaact tcttcacata gtccgccttt gcttgagctt ctttatactt aaaaacagaa 180
acattatgca taggcaaaag atcaagagga gttagtgggt taaaaccata aacaacttca 240
aaaggagaac aattagtggg gctatgaaca actctattgt aagcaaaatc aacatggagg 300
taaacaac 308

<210> 11539

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11539

tcagaaatat tctcaattgt ctcatctntt cattnggttc ttgaatggct atcanaggcc 60
tatatatatg tgacttgaga cacgaatntg ctaagagttt ttcagaacaa aaaggtctta 120
tcctcttaaa aagcaaaatc gttttatcct cttacaaatt ccttggccaa atcacttggt 180
attcaataag gaattgtttg agtgctcaaa ttgttcaatc tatctctntc aagagagatn 240
tcttcttctt ttcttctnta ttctgaanag ggattaagag accgaggggc tcttgttggt 300
aaagaattct aaacac 316

<210> 11540

<211> 301

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11540

gctctctaca atctantggc ataactnttc acacggatgt ctaattntgg gacctaatat 60
atcgagatgc tcgaaattga acaacggaac ctatcgagaa attcaaattg tcaaaacgtt 120
tcacacggat ttccgatttt gggacataat ataccgagat gctcgaaatt gaacaacgga 180
acctcttgag aaattcaaat gatcataact nttctttcag atgtccgaga cggggacata 240
atztatcgag aactcgaaa ttgaacaaca naagctctcg agaaattcaa atggtcatga 300

<210> 11541
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11541

atgtatctta agntgtcgag aagcatatgc cactacctgt ccccgatgca taagcactcc 60
 acccaaacc atacttgacg catcacaata caccacanaa gattcactcg gattaggtaa 120
 cactaagact ggtgcagtgg tcaacctttc cttaatggta cggaaactac tctcacattg 180
 ggcatccac acaanaactt gacctttacg agtaagctta gtcaaaggta aggctagctt 240
 agaacaacc tctatgaatc tacggtagta tcttgctaag ccaagaaagc tcttaattct 300
 aaacactgac ttangactct ctcaactcat cactggc 337

<210> 11542
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11542

tcttacagac agcanaagaa agtttatagc gataaccact cgggtatttc caccgtcaa 60
 cgtgactcaa atgtcagtat gacagatctt gtgaagggtg cgcacaaaag cgaggctctt 120
 gctcctacgt atctncaat gaggaactca gacctacgta gttcttgata actngtgaga 180
 cttgaaaaag tctccaccgg aagatgctga catctccgga aaggggcgag atgaccacat 240
 tggcctctgc togtcaatca cacttgnggt cactgaatga cgagggtcgg ataaccgtaa 300
 ggtgtcttcg cgaactacca gctctnggggt catggtaaca aaaagcg 347

<210> 11543
 <211> 328
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11543

cttctcgtct gtgggtcttt aagtttcatg ggataatttc ttcatttggt tntgatgaan 60

accccatgga tcaatgcata taccacaagg ttagtgggag taaaatatgc tttcttgttt 120
 tatatgtaga tgatatttta ctgcagcca atgacggng tttgctacat gaggtgaaac 180
 aatttctctc taagaatttt gacatgaagg atatgggtga tgcatttat gtcacggca 240
 ttaagattca tagagataga tctcgaggta ttttgggtct atcacaggan acctatatta 300
 acaaaattct agagagattt cggatgaa 328

<210> 11544
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11544

aatcatagnt ctactaagac atgtttgagt gticgggaac aagagagggt tttgaaaggg 60
 cggaaggaac aaccaatttg agagcatgat agagcgtata gacatatggt aaatgtaaaa 120
 ctgacctagt atatctctat ttagaactat tatactctca acctattaat tactctactt 180
 ttctttatta tattatttta taacaataaa ctatatTTTA ctcccaatca aatgaataaa 240
 ttaaattattc attctattct ataagaacat ataattagtg tatctacctt angatcatta 300
 ctctaattaa taaaattatt cttcttatct attaattacg agaattctcat tatctcttac 360
 tcctctatta t 371

<210> 11545
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11545

aaccacatca cccttacaga tgactgatat aagcttttaa tggaagtcaa gagcacgaaa 60
 ttgtgctgat actattgact ggtgagcagg tcttccagcg ggttgaacac ttgaatattg 120
 tattttgaaa gaccacaaag aaggataaaa ataagacttg catatggaag aagaggtcca 180
 ttttctttga tcttccgtat tggtcagatc tggatgttag acattgtatc gatgttatgc 240
 atatggagaa aaatgtatgt gacagtgtga atgggggtgct ctntaacatt caaggcaaga 300
 cgaaagatgg tctgaatacc cgtcaagatc tagctgacat gggatatga t 351

<210> 11546
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11546

cagcacaatc aaccacagca gaacaattat gacctctcca gcaacagata caaccctgga 60
 tgggtggaatc accctaattct catatgggtcc agccctcaac aacaacaaca gcaacctgct 120
 cctttcttcc aaaatgctgc tggcccaagc agaccataca gttctccacc aatccaacaa 180
 cagcaacaac cccagaaaca gccaacagtt gagggcccta cacaaccttc cctcgaagaa 240
 cttgtgaggc aaatgactat gcaaaacatg cagtttcaac aagagaccag agcatccatt 300
 cagagctnga ctaatcagat gggacaatta gctacacaat ggaatcaaca acagtcccag 360
 aattctg 367

<210> 11547
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11547

gaatgaagct ctgataactca cttgttagtc tagtggcctc atatatctta agaagggggg 60
 gttgaataag atattccana ctacttcccc aattaaat ctatttgact ttntattcaa 120
 gttataaatt cccttaacaa tgaacttctt aaatattgat tcanataaaa caatttgaat 180
 atgaatataa agcaataata aataaaggag tttaaggga gagaaagtac aaactcagat 240
 ntatactggc tgggccacac cttgtgcct acgtccagtc cccaagcaac ccgcttgaga 300
 gttccactat cttgtaaatt ccctttacaa gttctaaaca cacaatgaca atccttcctt 360
 tgtgttagaa ttctttacaa caa 383

<210> 11548
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11548

gcttcttagt ctcacctgat gaattcgngg ctactttatg cactcttcta atgacaataa 60
catcacttct ggcaactaaa tgctgngagt ttgaagccat cttctcaatt aaatntctgg 120
cttcagcagg ggtcatgtct cctaaggctc caccactggc agcatctatc atacttctct 180
ccatgttgct gagtccttca taaaaatatt ggagaanaag ctgctctgaa atctggtggt 240
gagggcaact ggacacataat tntttaaatc tctcccagta ttcatatagg ctctctccac 300
tgagttgtct aatacctaga aatatccttt tgatggctgt ggtcctggaa gcagggaaaa 360
tgttntctaa gaatactctc ttgtggctcat cccaactcgt gatggacctt agagcaaggt 420
aatatagcca gtcttttgcc actccttcta a 451

<210> 11549

<211> 249

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11549

gagaatcatg gtcttgaagc tcctgcgctg cangagtggg ttgaagctgc tatataagta 60
agaaatcctg atgctctgct cctcgctnta gaagttagag agaagatttc tattgatagc 120
tctgtatttg gtaaacttct gccaaatcca ttcagctcta gccagactat ctctgctgat 180
cacctgtcct ccctgagtaa tagcttgaag ggagactata ttcattcatc tatgtgtggt 240
caatactgg 249

<210> 11550

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11550

atctacacca gcctggatag taggatataa tatcttcaca gaggcacaa ccgcttccaa 60
ctcattcaat acagtaaatt taccaccaga anatcttact ctactttcct catttacaag 120
agtctgcaac cttctaaaat ctggagccca tgaatgtatg tcggccacat tcaagtttga 180
taacttcttt gacgagccag agaatggtgc agtaaaccac ctgcaaataa atacagtctt 240

caccttaact ncatac

256

<210> 11551

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11551

attctaaagc ccgagtgata gntgttggtt ttcttcacat ccaagcccaa tgctgcaaa 60

ccatgattgt ctaatatattt cacggattgg gccttctttg agccttttta acattattat 120

gacctggtct tgtgaggaaa aggcagtgat ggttcgaagg ttagaaatag cttcaatagc 180

tattttgcta gtttcatctt gggctctgat agccttttta gacataccct tgaggagtac 240

aagtcttggt tagaaactcg caatgccaat aggttgaaca acaatcaata taatggcaaa 300

tctccatgca atgattatgc ccattgtgca tgctatcacc actgctgaaa tag 353

<210> 11552

<211> 275

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11552

tatgcaagct gaaagccttg gaggaagag gtatgcctat gttgttggtg atgatttctc 60

cagatttacc tgggtcaact ntatcagaga gaaatcagac acctttgaag tattcaaaga 120

gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta ggagtgacca 180

tggcagagag nttgaaaaca gccagtttac tgaattctgc acatctgaag gcatcactca 240

tgagttctct gcagccatca caccacaaca aaatg 275

<210> 11553

<211> 187

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11553

agcgactaag atgtaccagg accttatgca gatngtttgg tggccgagta tgaagaaaga 60

aagttatgag tttgtccttg catgcctagt gtgtcagaaa gctaaaatag aacatcagaa 120

gccttcaggg aagttgcaac ctttagagat acctgagtgg aagtgggata gcatctccat 180
ggatttc 187

<210> 11554
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11554

agtcacctga ggcattgcaag cttcanattc acctctactg gagnntctgt tggtttacat 60
tttccatggn aaacctttctc aaaacatttg aaatatactt cttttggtgc atganaattc 120
cctgtttagt gtatgcaaac tccaatccta naaagtatga taatgttccc aggttcgtca 180
ttccttcttc aaattatggt ttagtgggtc aatcccagtt gagctactct cagtaagtaa 240
tagatcatcc acatacagac aaatgataag aatgtcagtg tgttttacia ttctatgtaa 300
actccctgaa agtcaatatt gtgaagaaaa gtgtcaattc tcttgttcca agccctacgt 360
gcctgttgta acccatataa tgccttcctc aacttcaaca ctttgtgttc attcccttgc 420
atatgaaaac agaagggtga taataaacac atcttcatca agtg 464

<210> 11555
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11555

gtctcacgaa tgtcacctgc tcatgtctca ttttttatct cgtggctata tgagacatct 60
tgccaaacaa agtcagggtta acaataactc gcctgtgctn tntcttccat gctatatgta 120
gcaaagtcac tgatccagtc atgtttgatg agttggaaaa tgaggccgca attatactgt 180
gccagttgga gatgtatggt cccctgctgt ctttgacatc atgattcact tgattgtgca 240
tctggtcaga gaaatcaaat gttgtgggtc tgtttatcta cgggtgatgt acccggttaa 300
gcgatacatg aagatcttaa cagggtatac aaagaatcta tatcattcaa aagcatctat 360
t 361

<210> 11556
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11556

gcttctatta tcaatttcga gcatctctat atatctcttg gactcaatcg ggcacccgag 60
 taaaacgcta ttgtcaatnt aattttctag gatcttgcac tttcaatttc gagcgtctcg 120
 atatattaca ggactcaatt ggatagccga gtaaaaagtt attgtcgttt gaatttgctc 180
 agtgcttctg ttctcaattt cgagcgtctc gatatattac aggacttaat cagacatctg 240
 agttaaaaag ttattgtcgt ttgaatttgc ttggagcttc tgtacttaat tctgagcatc 300
 tcgatatatg acgggactca atcgaacaaa ctagtaaaaa gttattgt 348

<210> 11557
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11557

tatgctnnta tattattcan ttactttgtc tcatactctc tatatgttat ttcttctaata 60
 tcaaatatga attcaattca nattgacatt taagttgttt gtttgctttg atgtaaaaaa 120
 aaatagttaa tggcatgcat gggtatattt ntaatcaaca acttatataa aaagaagagt 180
 attaaacaaa catctattnt atcagttttt catatgcttc ctttcaatta gtcttaattt 240
 ttctctaatt ataattgac attaaatatt tgtaatagtt ttcatatgaa atcttcgaca 300
 tactaatact acatgcaaca naataaagtc atatctcacg gtggtgacat ggtcgattac 360
 acatatgac gatatac 376

<210> 11558
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11558

agactatgtc aaggnatgga agtacgggga ctcgctctac cgggtgcaagt gtcttaagga 60

tgctgctctt ggccgcatgt gcaactgagat caagaggggtt ggcccagagtt tggcttattt 120
 agaacaggtc agacagcaca tggctaggct tccctctatt gatccaaata cgaagacctg 180
 tttgatctgt ggatataccta atgttggtta gagctcgttc attaacaaga ttaccagagc 240
 tgatgtggat gtgcagccct atgctttcac taccaagtct gtctgtgtgg gtcatactga 300
 ttataaatac ctgaggtacc aagtaattga tacgccaggg attttggaca ggcccttttga 360
 agatcgtaat attattgaga tgtgcagtat cact 394

<210> 11559
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 11559

tctattggat aaactcggct atacatcgta tgatatgggt gtcaaagtct ctatcatccc 60
 ttctaattgtc cttgtatcca tatctgacag tgcacctata cattcgatat ggtctcggac 120
 aaactcggcc gattaggaaa cgttcttttg ttaatacatg tggaacagga actgttttca 180
 cacaacaaaa gaccaacacc atgtgaaatg catggagggt ggatacaaag tgggagaata 240
 ttgcaggat tccgtgtgca agttctgtgt agatgagacc aatcc 285

<210> 11560
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11560

gacaccgaga gggacagtgt ataaagcttg tttaggggtac aagatggagt aagggacctg 60
 atttccaaga acaaatgaag gcatgtagta gatcaggtaa taggatgtaa taagtgcac 120
 accccaaaaa tgatgtggga cattatagtg aaggataaga gtataagttg tttcaactaa 180
 atgatgattt tccttttcgca acaccattnt gttgtgggtat gttggcacat aacgtctcat 240
 gaagaattcc ttgcgagggt agaaaagagc gaaattggaa gaacaaatat tcatgggcat 300
 tatcagtgt tataatctta acgaaaacac caaattgatt ttgatttcat atgaaaacct 360
 tgaaaaagga aacata 376

<210> 11561
 <211> 277
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11561

ttgaggaaga ggcttaccac ctctcccatc atgcaaccac cagatgggga acttcccttt 60
 gagctcatat gtgatgcctc taactatgca ctninggggtt gtttgtcgta gagagttgat 120
 agactataac atgtcattgc ttatgcttca tgcactntag atgcaaccac agtttagctac 180
 accaccactg agaatgagct nttagctatt ggttttgctt tagataaatt catatcttat 240
 ttcctttgct cccatatcat agtctntact gaccatg 277

<210> 11562
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11562

cttaaatata atttcaaatg gggatntcat tttgttagat caaatgtggt gatgccacaa 60
 tttattgagg gaggactatg gacatgngtg aattttggag gggacataga agattgcaac 120
 ttatacacct gatcttcagt ctttccttgc agaagaaccg ctcccgttgt caggctcttt 180
 acctcanaat gcaagggaaa aattcaacag acacagagtt agtttgacgt aattgagaaa 240
 cagaaatgag attntgagag acagagggaa catagtatat tggaa 285

<210> 11563
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11563

ctgagtntgt agctacctca tgctctctct ctaatgacta tggcatcatn tatggcgcta 60
 aactgctgag aattggaagc catcttctca attaaatttc tggttcagc aggagtcag 120
 tctccaaggg ctccaccact ggcagcatct atcatacttc tctccatatt actgagtcct 180
 tcataaaaat attggagaag aagctgctct gaaatctgat ggtgggggca actgacacat 240

nagtttttta aatctctccc agtactcata tatgctctct ccactgagtt gtctaatacc 300
 tgagatatcc ttcttgatgg ctgtgggcct ggaagccagg gaaatttttt tctaaaaata 360
 ctctctta 368

<210> 11564
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11564

caatacattn ngaannaaat taaacaaacc tgtgctacac atagatgaca tgtgttggat 60
 acctacaaat tatattatgt attgaaacaa aggtcatttt tatactctga atccttaata 120
 taacctctta tacccttttc tttaaaattt acttagcgag tatttttttt ccagtgatca 180
 agatgattat gaggttgtac aaaaagtggg cagggggaaa tatagtgaag tttttgaaag 240
 cataaatatc aatagaaatg agcgctgtat aatcaagatt ctgaaacctg tca 293

<210> 11565
 <211> 201
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11565

tttcctctgt acttcanaac cttcatgtgg agcacgtgat cgagcatctc tccacacaat 60
 aatgtgatta tggggataaa gtctctgac caaagaaatg tgtactcttt taaagaaagc 120
 tgaaaacttt ggatacaaag gagacgactt ctgaactact cctggctgat caggggtcaac 180
 accatcctcc aatatactcc c 201

<210> 11566
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 11566

ctgcacctgt cgccagactc tgtggtttat gtcctctgc cgaccaccac acagaccttt 60
 gcccttctgt gcaacaatct gaaacaattg aacagcttga agcttatgct gcaaactct 120

acaacagacc tcctcaacct cagcagcaaa atcagccaca acaaaataac tatgaccttt 180
 cctgcaacag gtacaatcct ggatggagga atcatcccaa ccttagatgg tcgaatctct 240
 tcacaacatc aacaacaacc ttatttcaaa atgttgctgg cccaagcaga ccatacgttc 300
 ctccaccaat ccaacaacaa caacaacaac agcctcagaa agaacaacaa 350

<210> 11567

<211> 286

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11567

ataaatagta aagttggtga tgagaaaata aaatggttgt tgtgtaggtc ataccatcac 60
 ataatatcc ccttgtcttc cttttagtg tactttaagt attccatggc tgccaccaag 120
 ggtgcttttc acaaaacaaa acanaaaact caggcaaatt cacttatcga aagcaattga 180
 caacatatat ctctngcaac ataaacaaag cacctacttg tatacttgcc actcgtaagg 240
 agggccataa ttacagcctt tgctgttcct atgctcaaat ttcaat 286

<210> 11568

<211> 283

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11568

atctgcacct gtcgccagac tctgtggttt atgctcctct ctcgaccacc acacagacct 60
 tngcccttct gtgcaacaat ctgaaccaat ngaacagcct gaagcttatg ctgcanacat 120
 ctacaacaga cctcttcaac ctcaatagca aaatcagcca caacagaata attatgacct 180
 ctccagcaac aggtacaatc ccggatggag gaatcatcct aaccttagat ggttgaatcc 240
 ttcacaacag cagcagcaac aacaacatac ttatnttcaa aat 283

<210> 11569

<211> 227

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11569

aactgggttc ccaccaatca tacttccact gntgccacag gtttgggtaa atttctgtat 60
gctgctggaa ccaaatccaa atttaatttt ggaaactata tctntgatca aactgttaag 120
cattcagaat cttttgctat caaattaccc attgccttcc ctactgtatt gtgtggcatt 180
atgttgagtc ancatcccaa tatgttaaac tacactgact ctgtgat 227

<210> 11570
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11570

ctcggatgtc cgattcaggc gcacaatata tctttacact ttanattgtt aacagaagct 60
ctcgagagat tcgaatggc ataacttata acacggatgt ccgattcggg cgcataatat 120
gtcgagacgc tcgatattga acaacggaag ctctcgagag aatccaatgg tcataacttt 180
tcactcggag gaccgattca ggcgcataat atatcgagac gctcgaaatt gaacaacgga 240
agctcccgag agatcaaatg gtcataactt ttaactcaga ggtccgattc aggcgcataa 300
tatatcgaga ctctccaaat tagacatcga gagctctcta gaaatt 346

<210> 11571
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11571

agcttctcga tacattatgc gcctaaattg tgacanctga gttatttggt atgacaattt 60
gaatggctct agagattcca ttgttcaatt tcgagcgtct cgatatatta tgaatatgaa 120
tcggacctcc gagttaaag ttatgaccat ttgaatgtct cgagagcttc cgctgttcaa 180
tttcgagcgt ctogatatat tatacgccag aatcggaact ccgtgtgaga agttatgacc 240
atatgaatat ctccagagat tcgcgtgttc aattacgagc gtctcgatat attatgcgcc 300
cgaatcggac ctccgtgaga atagttatga ctatttaa atcttgagag cttctgttgt 360
tcaattgcga gcg 373

<210> 11572
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11572

acatgtgcct agatgcatta aacctcanct cnatatgata tatatatgaa gctgggatga 60
 taaaccaatt cagtgtcgtt agatgaaagt ttactagaga aagcatgggtc attgctcaag 120
 gtaagaagga aggctccttg tacatcatgt atgaaaagat atgcaaaagg gagacaaatg 180
 ttgctcaaga tgcaaccaa gaattgtggc acaagagaat gngtcacatg agtgagaaaag 240
 gtttggagtc tctattaaag gatcactttc caaacataaa gaggtaacca cttgaatcct 300
 gcgaagattg tcttgcaggt aaacaatgta gagtgtctnt ccaaagatcg gatgaagcca 360
 gaaggagaaa gcatatcctg aatcttgtcc actcagatgt ttgctcaacg tctaaaaagt 420

<210> 11573
 <211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11573

ggtcaaagng acttcttata ccaatgtcac gaggagtgtg gtggtcagat tcataaagaa 60
 ggaactgatt tgtcgatagc gactccctag gaagatcatt actgacaatg gcaccaatct 120
 gaacaacaaa atgatgcagg aaatgtgcgg ngatatcaag atccagcatc ataactccat 180
 ccactatcga ccaaagatga atggngctgt ggaggatgca aataanaata ttaataagat 240
 tattcagaag atgacgggtg catacaaaga atggcatgag atgttgcttt ttgccctgca 300
 tggatatcga acctcggtcc gaacttctac t 331

<210> 11574
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 11574

ctacaacacc tcaatcttca cgctcacctc atcacctttg tccccatcac tgttcctcga 60
 gttgatggtc ttcctcaaga tgctgaaacc acttgagaca tacccttctc tatgggtcca 120

cttctcgcca cggcttttga ccgcaccgag aaagacatcg aacttctcct aaggggaactg 180
aaaccacaat ttgttttctt cgagatccaa cattgggtgc gcaacctgac tcgaagccta 240
ggcatcaaga gt 252

<210> 11575
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11575

gcttctgaaa tatgagcaag aatcaaacct atggttctat ctattcttct gctaaagggg 60
gatttctttt ttaaactatc cgcanactag atgaacttaa gtaggtttct tgatcagccg 120
tagtaactgc aaaaggtttg attgatgaca cgagagattc tggacccttt gttgcaatcc 180
tcttgacaaa agcatcacag ttgctgataa cttcagtc aa ccttcctttc agttctccaa 240
ttccaccta caatgaatga actacatgca cgttccaaca tatagttaac aatttccaca 300
tacaatcata gaataccaca tgagagtatt gtgatttatg acatagatgc aaatgaatca 360
agatttacia gttagtgatc ctttgtaaca atgaaagagg aaattaccat tcatttcggt 420
taatgatata aaacacatgt atcatgttag tacttgc 457

<210> 11576
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11576

tgagtgtct atcaatggag ttgacaagaa atcttcagac ttttctcatt tgccagtggc 60
caangatgca tgggagatcc tgaanaccac tcatgaagga acctccaaag tgaagatgtc 120
cagattgcaa ctattggcca caaaattcga aaatctgaag atgaaggagg aagagtgtat 180
tcatgacttc cacatgaaca ttcttgaaat tgccaatgct tgcaactgct tngagaaaag 240
aatgacagat ganaagctgg tgagaaagat cctcagatct ttgcctaaga gatttgacat 300
ganagtcact gcaatagagg aggccaaga cattngcaac atgagagtag atgaactc 358

<210> 11577
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 11577

cagatgcccc tcaagtttcg ctctgccatc tcaattgaaa tcggccgatg ttcattccaaa 60
 gtgggtcatgc tgttttgaat gttgactact ctgttataac gagaaatctt ggtgatgaaa 120
 ttgcgcggat cgctcaagtc acatgaaatt ggcatgcgaa ccctgagggg gcacacattg 180
 tcatattcta tcaagagctc ttcgactctg aaaaaataa taacatccaa attataagat 240
 attattataa 250

<210> 11578
 <211> 253
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11578

atatacataa ccaaagatng actacaaatt ataaaggagg tctctctttg tgtcaggaca 60
 acttacaatg caagcaaata gaggggttttc aaggttcaac gagaatgggt tccttaagat 120
 acaaaattag ttgggttgat tggaacatat accanatacc agttaagggt tacataactg 180
 attccaccga caaagtgagg tcaaattgggt ccaaaatact tcatgattgt ctggtagtga 240
 tgcaatccta ccc 253

<210> 11579
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11579

gctttactcg gagatctgat tcangcgcat aatatatcga gacgcttgta atgttcttcg 60
 gaagctctcg agaaattcca atgctcatta cctttaactc ggaggtctga tttaggcgcc 120
 taatatatca agacgctcga aattgaacaa cggaagctct ctagaaattc aaatgggtcat 180
 aacttttcac tccgaggttc gattcaagtg catgatatat ccagacgctc gaaattgaac 240
 aatagaagct ctcgagaaat tcanatgggtc ataaccttaa actcggaggt ccgaattagg 300

cgcataatat atcgagacgc tcgaaattta acaatggaag etc

343

<210> 11580

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11580

catgtgaagt ggggtggaat cttatatcaa ttcccttatg ttatcaaaca taaaaaggga 60

aaaggtaata ttgtagccga tgctctttct cggcatcatg cattactttc tatgcttgaa 120

acaaaattga ttggtcttga atgtttgaaa agcatgtatg aaagtgatga aacttttggt 180

gaaattttta aaaattgtga aaaactttca aaaaatgggt tctttagaca tggaggcttt 240

cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta caagaaactt gcttgtttgt 300

gaagcacatg aaggagggtt aatggggcca tttgnggtcc aaaagactct agaaacatta 360

caagaaccat tttattggcc tcatat 386

<210> 11581

<211> 387

<212> DNA

<213> Glycine max

<400> 11581

tgcatcctga agacaaactt ctatgatata tagacttggt gcttatgagt acatggctaa 60

tggttcattg gataaatgga tattcaacaa gaacaaagag gaatttcagt tggattggga 120

tacaaggat aacatatcac ttggaatagc aaaaggactt gcttatctac atgaagattg 180

tgactcaaac attattcatt gtgacattaa accagaaaac gtgctcctag atgataattt 240

cagggttaag gtttctaatt tggtttggct aagctcatga aacgtgaaca aagacatgtt 300

ttcacaacac ttagaggcac tatagggtat cttgcacctg agtggatcac aaactgtgcc 360

atatcataga aaaatgatgt ttatagc 387

<210> 11582

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11582

gaatgctatc gtgggaaagt gaacaacttt tcaacggttt gtcaccaata acatttatga 60
atttttagccg tattgggata cacggcctaa caaatcactt gtaatatcat aatgatcccg 120
cttatctaca tgaagattgt gactcttaca ttattcactt gcacattcac ccacaaaacg 180
tgctcctaga tgataatttc acggttaagg ttttgaaatt cagtangatc caactcatga 240
aacgtgaaca aagacatggt ttcacatcac 270

<210> 11583
<211> 373
<212> DNA
<213> Glycine max

<400> 11583
tgcataagtc cgggtcccaa ttccaatatt tatacactca tcatcagggc tcagagaaac 60
cccagaaatt tccccaaaga aatcaatctc ttgacgtttt ctgtagtctg ctttcgtgct 120
ataaacatgc acaaaatctg caggctcagc aaccaccata tattgaccat ccgaagaaaa 180
ccgaatagac cgggttgccc ctaggttatt cttgagaatg gcagtaggag atgataagtg 240
tctaactccc atactctgca agtcttatcc tgattccccg ttgcaaaggt acatccatcg 300
ggatgccacg cagaagcgaa agagtaatct cgatgaccaa ccaaattggc aacagtctaa 360
aaaatcaaac aag 373

<210> 11584
<211> 300
<212> DNA
<213> Glycine max

<400> 11584
tatcttagct aacgcaacat tgttcattaa gagtgaagga gttgacattc ttatcatctc 60
actctatgtc aaagatctct tgagaacaag aagcaacaca tgtcttgggg aaaaacttaa 120
taaagaaatg atggaggagt tcgagatgac agaccttggg ttaatgacct tctttcttgg 180
catggagatc aaacaaagag aacatgaaat cttcatTTTTg taaaaaaagt atgccagga 240
gaatttaaaa aaatttaaaa cttgaagaat gcaaaggaaa tgatcacttc aatgaaataa 300

<210> 11585
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 11585

tactcaagct ttgatgacta aaataaaaaa atagtcagat ttcttgagag attttcggtg 60
 acaaggggtga aattttgaga gatttgatta gtgctcttgt gttgatgact ataataacat 120
 gcttttgaca ttaacagggt gagatagggt atgggcagga cgtacttgtg agagtacatt 180
 ctgaatgtct cattggggac atttttgggg caacatgtca atgtaaaaac caattaaaac 240
 ttgcattgaa gcaaattgaa gcagcaggta ggggtgtctt ggtgtatctc cgaggaaatg 300
 aaggtagagg tattggctta agccacatgg tccgtgctag cccattggaa gatgacaagt 360
 atgaagaatt gcagttacct gttgagtcta 390

<210> 11586
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 11586

tttctattgg attcgtcata tcttcatcta ttgttaaate atctgtgcc aattcagaat 60
 tatcgtcccg tocaattctt ggtgttccta ggtcagatgg ctcatatgca gtatcactac 120
 cataatctga ggcaacagag gaactgccag caactaatga taagctcgac tggagagggtg 180
 attgcacaga ataaactgtg ttgctggaat ctgggtctgt ttcagaattc tgctggtttg 240
 catcttgaa tgctaggaag gattaaatga ggtataaaat atcaaaattt gggaaagcta 300
 acaatcaatt atcataaaac agaccacact gacattgagg aaactaaata caagttgcaa 360
 aagataatca catacaagat c 381

<210> 11587
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 11587

agctttatgt ctgtgattcc ttccccagtg atcacatggg attctgaggg gtttgctacc 60
 ttgtacatct ttatgcttaa ttctgccgca gtgataaaaa gctacaccaa ttagccgcga 120

tatacagata tagatatatg aattcattta tgctcatttc ttacaaataa aatataaaat 180
gctactaagt ttaagaggca tagacggcca gttttgtttt caatttctat aaacttgtaa 240
ataattttat ttatttaatt attaaataaa tatttttaat tttacttggt attggtttta 300
tttaagatgt tgtatattct ttattatttt atttaacgtg ttatatattt 350

<210> 11588
<211> 265
<212> DNA
<213> Glycine max

<400> 11588

agcttggttaa tgcacccaca ttgtatgcag aataacgac tttactgaag actttgttga 60
tcaaaggatt gacgtaacaa ttatgaacaa agtcaactgct gccagcactc acatatgtag 120
agtgcattat taaaaatcaa tgctgcttgt tttactgcca actaccttgg ccagcttgca 180
ttgggattcc ttgtaatata ttaactgacg agacaatgga atcgcatgct gcaaaagaaa 240
aacacagttt aaaaaacat taatt 265

<210> 11589
<211> 342
<212> DNA
<213> Glycine max

<400> 11589

agctttcatt tttctgggcg ttgaggcttc agcgtgggcc gtgggaccca gatgtgttgc 60
ggttaccaga agggttcgag gagcggacca aagcgcttgg agttgtgtgc accacttggg 120
cgccgcagtt gaagattttg gggcacatgg cggttggtgg cttcttgact cactcggggt 180
ggacctctgt ggtggaggct attctgaatg agaagccgtt ggttctgtta acgtttttgt 240
cagaccaagg aataaatgcg agagtattgg aagagaaaaa aatgggctat tctgtgcca 300
gaaatgaaag agatggattg ttcacgagtg actcggtagc tg 342

<210> 11590
<211> 386
<212> DNA
<213> Glycine max

<400> 11590

tgaagacaag actatacgag gtatcttccct tgggtatatc aatatctcta agggctacca 60
 tgttttacaac ttgcaaacta agaaactcgt catcagtc aa gatgttgaag ttgatgagta 120
 cgcttcttgg aattgggatg aagaaaaatt ggagaagaac gttcttatac ccgcttaact 180
 acctcaagaa gaagctgagg aagaagaccg aggtgaacca ccttcacctc caccacaaca 240
 acaagatcaa gaactatcat caccagagtc tactccaaga cgagtaagat ctttggtgga 300
 catatatgaa acctgtaact tggccatact tgaacctgga agctttgaag aagcgtcaaa 360
 gcaggaagta tgggtcaagg caatgg 386

<210> 11591
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 11591
 agctttgatg caacatttgg atagggttaat gaaacatcga gatgatgcgc tccatgagag 60
 gttggatcaa atggagaata cagatcataa tgaagaagaa aggaggagaa gagggaatga 120
 tgggtgttccct aaacaaaacc gaattgatgg cattaaactc aacattcctc catttaaagg 180
 aaagaatgat ccggatgcct acttggagtg ggagatgaaa atagagcatg tcttctcatg 240
 caacaactat gaggaggacc aaaagggtgaa gcttgccgcc tcggagatct ccgactatgc 300
 tcttg 305

<210> 11592
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11592

tgatgtttgt attgaatgca ttaaagggtt acagaccata agcaagaaat taggtacata 60
 tagagctaca tacgtcttgg aattgatata tacgaacatt tgtggggccat ttcatacacc 120
 ttcattggaat ggtcaacaat attttatatc attcatagac gattactcca gatatgcata 180
 cttgtttntt atacatgaaa agtcccaatc tttggatgtg ttcaaaagat ttaaagttta 240
 agttgaaaat caactcaaca aagaataaag tgtgttagat ctgattgtga tgggtgaatac 300

tatggtagat atgacgggtc aggtgaataa cgtccggggc cttttgccag gtacctaaag 360
 gaatatggaa tttgcccact gtaca 385

<210> 11593
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 11593

gtgcataccg caaggatcct ttatgaaatt tcttgtgaaa gagagccacg aggggtgggct 60
 catgggccac tttgggatag acaagatgct tgtcttactc aaagaaaatt tttattggcc 120
 ccatatgaat aaagatgtcc atatgcattg cactaagtgt gatgcttggt ttcaagcgat 180
 gtttgagggtg atgcctcatg ggctatacac acacttacct attcgctctg caccttgggt 240
 ggacattagt atggtaactt ccatgggctt tctatac 277

<210> 11594
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 11594

tgtgctaaag gaagtaagac atgtgcctga tatgcattta aaccttatct caacaggaaa 60
 gctagatgaa gctaggatga caaaccagtt cagtgccgaa agatggaatc atagtagaga 120
 aagcatgggtc attgctcgag gtaaaaagga aggctccttg tacatcatgc agggaaagat 180
 atgcaaattg gagatgaatg ttgttcaaga tacaaccaag gaattgtggc ac 232

<210> 11595
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 11595

cttgatgcaa catttggaga ggttaatgaa tcaacgagat gatgcgctcc atgagagggt 60
 ggatcaaattg gagaatagag atcataatga agaagaaagg aggagaagat ggaatgatgg 120
 tgttcctaga caaaaccgaa ttgatggtat taaactcaac attcctccat ttaaaggaaa 180
 gaatgatccg gaggcctact tggagtggga gatgaaaata gagcttggtt tctcatgcaa 240

caactatgag gagaccagaa ggtgaagctt gctgccacgg agttttccga ctatgctctt 300
 gtgtggtgga acaagctaca aaaagagaga gcaagaaatg aagagccaat gggtgataca 360
 tggacggaga tgaaaaa 377

<210> 11596
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 11596

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatt ttctttggag 180
 gatagacatg tggaggagta gctgggttct tgggggtgcc ataagtaaca attgtccttt 240
 gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagttaa cattgaatcc ttcattcacac agctgactga 340

<210> 11597
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11597

tgtgcatcca ataccctgat gaggatgttt tatatgttct taaaactgga ctgattcatt 60
 tgcttccaaa gtttcatggc ctgacaggtg aagaccgcga caaacatttg aaggaatttc 120
 atattgtctg ctccaccatg aaacccccaa atgtccaaga ggatcatata tttctgaagg 180
 cttttcctca ttcttttagag ggagtggcaa aggactgggt gtattacctt gctccacggg 240
 ccatcacgag ctgggatgac cttaagagag tattcttaga aaaanttttc cctgcttcca 300
 ataccacagc catcaggaag gatattctca gtattaaaca actcgggtgga gagagcct 358

<210> 11598
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 11598

agctttttga aggatcaaga tgtgccttat gaatcctccc gtacttatgc caccagtacc 60
 tggaaggcct ctcattttgt acatgacaat cttagacgag tcaatggggg gtatgctggg 120
 gcaacatgat gaatccggaa agaaagagcg cgctgtttac tacctaagta agaagttcac 180
 gacctgtgaa atgaattact ccctgctcga aagaacgtgt tatgctctag tatgggcac 240
 ccacgccta aggcagtaca tgctgagcca tactacctgg ttgatatcca agatggaccc 300
 ggtaataca tctttgaaaa gccagctctc 330

<210> 11599
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 11599

agcttatatt tattggaggg ttaataaaac aatccaaaat catttgttcc tttcaagtaa 60
 cgaagaattc tttttgcggc ttttagatga ggagaggtag gagccttcac aaagcgacac 120
 acaactccca ccgtatatag aatatcgggc cttgtattgg ttagatacct tagactcccc 180
 acaagactct tgaagatcgt ggagactacc ttctctcctt tatcaaactt tgataacttc 240
 aagccacctt ccatagggtgt gttcacggga ttgcaatcaa acatattaaa attctttcac 300
 acttcttttg tggacccttt cttgagagac aaaaatacca ttc 343

<210> 11600
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 11600

tagcttgttt accccatggt gtattttctt acaatagagc tggtcataac accactaatt 60
 gttctccttt tgaagttggt tatggtttta acccactaac tcctcttgat cttttgccta 120
 tgcctaattg ttctgttttt aagcattaag aagggcaagc aaaggcggac tatgtgaaaa 180
 agcttcatga aagagtcaaa gatcaaattg agaggaaaaa taaaagctat gcttaacaag 240
 ccaacaaagg gagaaagaag gttgtcttcg aaccgggaga ttgtgtttgg gtgcacatga 300
 gataagaaa gtt 313

<210> 11601
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 11601

agctcggatt tccttttagt ttggaatcta tccttcctaa gatagagcca aacctagtca 60
 ccctcattaa gaactagctc ttttcttctt ctattgcctt tagttgaata cacctttggt 120
 tgattctcta tttgggtctt aaccctctca tgcattcttct ttacaaattc tgacctagat 180
 tcccccttctt tatgtataaa agaagtgtcc agtgggaggg gaatgaggtc taacggtggt 240
 aggggattga acccatagac aacctcaaaa ggggactgct tgggtggttct atgaaccccc 300
 ctgttgtagg caaattctac atgaggaaga tactcatccc aagacttatg gttgc 355

<210> 11602
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 11602

agcttctcca aaaaacagtg ttatcagcat attgaataac attcacagaa actttgttct 60
 tccccaccag aaaacttctg aagctatctt gggaaactgc ttctctcatc agccctgtca 120
 atccctcagc cactaaatca aagagaaaag gtgccaaagg gtcaccttgt ctcaatcctc 180
 tttggggggt aaattctgaa gttgggctgc cattaacaag aatagaaatg gaagccgaat 240
 taatgcaggc ccttatccac ctaatccatc tctctcatgg aaccccatc tcttcatcat 300
 ataaatgaga aattgccaag atacagaatc ataagccttc tc 342

<210> 11603
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 11603

agcttgatcat tttttcctat atgtgtttta aatgggttaa attatttata tggtcctcta 60
 atttattttt tagatttaat tggatcttct aatttttttt attcaatttg atcctcta 120
 ttttaaactg atttaattca gtttttaagt ctaaacgata agaaatcaca ctttatgata 180
 gttcaaaatc gtcactaaat gatttttaac tgtcacaaaa tacatagttt ttacaaaaaa 240

atgaatcaat tctaaaaatt ggaagatcaa attgaactaa aaaaacacta gaggaccaa 300

tcgaattggt tttaaaaatt agatgaccaa attaaa 336

<210> 11604

<211> 288

<212> DNA

<213> Glycine max

<400> 11604

ttgcttgagg aagaactttg tttgtaacgg cctaaccaat actttgactt gacctcttgt 60

caccatttaa tgtgctacag aattccaggg caagagctgt catatgcaag tcagaatcac 120

tgatacacia gcatcaaaag aaaatagaat taaccattcc atatcaccta tgccaatgta 180

cagagagtat cttagtaaga caaacctaat tagtcccgac cgttctacga taataacctt 240

ataagcacac aaacattctt ttcaccataa gcaactataa gtgaattt 288

<210> 11605

<211> 353

<212> DNA

<213> Glycine max

<400> 11605

agcttgggaa gaaaggagaa tagctataaa gacaaaaata gacagcttgt tgaaggctga 60

tttcatttgc gaagtgaatt acaccaattg gttagccaat gtgggtcatgg taaagaaagc 120

aactggaaaa tggaagatgt gcatggatta caccaacctc aacaaagtgt gtcccaatga 180

tgccctaccct ttgcttagca ttgacagact agttgatggg gcatgtgggt tcagggtgct 240

cagtttctta gatgcctact caggctataa tcaaatcaag atgtatctac ccaaccaaga 300

aaagacaaca tttgtcattg atagggctaa ttttttctat aaggtaatga ctt 353

<210> 11606

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11606

tgcccttggtt aaccttatta cccaactggc cctgagtcac aaatctgcac ctatcaccag 60

actctgtggt ttatgcatcc ttgcccacc accacacaaa cctttgacct ttagggcaac 120
aaactgaagc aatagaacag cctgaagctg atgttgcaaa catntacaac aaatctctc 180
aacctgaaca gcataaacag cctcaacaca atgactatga cctttccac aacaggtaca 240
ctcccggatg gaggaatcat cccaacctta gagggacgaa tccttcacaa cggtgcagc 300
aacaacaatg gacttattat caaaatgctg ctggcccatg cagaccatcc attcctcagc 360
cgatcc 366

<210> 11607
<211> 314
<212> DNA
<213> Glycine max

<400> 11607

tttcttgaaa atgaacaacg gttgctgtcg atatattcaa atggtcataa cttatcacac 60
caaagatcga ttcaggcgca tgatatatcg agacgctcga aattgaacaa cgaaagctct 120
cgagaaaatc aaatgggcat aacttttcaa aaggaagttc cgattcaggc gcataatata 180
ttgagaaggt cgaaattgaa caacagaagc tctcgaggaa ttaaattggc ataacttgta 240
aacggaagtc cgacttaggc gcataatata tccagacgct cgaaattgaa caacggaagc 300
tctcgtaaaa ttca 314

<210> 11608
<211> 288
<212> DNA
<213> Glycine max

<400> 11608

cgctaactga agatcaatga cagcggaatg cacacggagg aacggtgatt ggacatgcc 60
cttcacggag aagaaagaca agaacaagtt caccaccata tgaagccatg gataaaagca 120
cgaaggttgg agaatatgag cggagggaga gggagagaaac gggcacgaaa cttatgcctc 180
caatgaggcc tacaatatga agctgagatc ctacatgat caacgtagaa ataacgcaca 240
ctaaacgccg ctatatatag cctaacggtc acatgaaact ggagggaa 288

<210> 11609
<211> 348
<212> DNA

<213> Glycine max

<400> 11609

agcttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatctt tcagattggg gatgccttta acagcacctt tgtcaatgat tttcttcatg 120
cctctcaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttggag 180
gatagacatg tggaggagta gctggtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
tgtgaagtta cattgaatcc ttcacacac agctgactga tgctgac 348

<210> 11610

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11610

gctttcttct ccaagctatc ttctatctca gttattgagt ttctgtgagt tattgagagn 60
gnttacgtgg gtgggtgcta cacttccatt gttttgcttt tgttgtgtgg ctttcataat 120
tcagctttca taattcattc ttgtaagtg tttttttaa ataaaattta tatattctga 180
tttataattt ctgttcttaa attcttataa taggttagtt agtattaata ggtattataa 240
atatacgtta attaggatta atatatattg taaggtaga ttagttacta tgatgntttt 300
aatttttatg tattaataga tatttgaaga ttaggttatt cttaatagat atttaaaggt 360
taggttagtt agtttggtt gttgtatata cttttagata ttatatatgt gatataatat 420
tattagtntt agaaatatt 439

<210> 11611

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11611

gagccttgag ggtaatgttc tcaacaatat ttgatttctc caaactgctt attaatatat 60
ctccattctg atttataatt tattgattca gntctcttga ctttcatgtg aacaggtgat 120

tgcagagtat ttgtccttat aagaagctgc tggaataaaa gagggattcc aactgatgga 180
tacaagccat aaaggcaaga ttaacgtcga tgaactgcgt gtaagggttc ataaactaag 240
tcaccaaatt cctgatggg atatccaaat acttatggat gctgtgagta tttttcactt 300
tatctggaaa ctcttctttt ctgtttgttc tacacttgat gtgtgaagaa ataagtagtt 360
tggtctcttt gttttcacia ctttatgttc attgtaatat atcaaactaa ttaattgcaa 420
act 423

<210> 11612
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11612

agctntcaag tactgtaagc caatcataca agttgtctgc acacatttgc acggcaaata 60
ccgtgggacc ctcttaatgg ccacatcaca agatggaaat ggtggcgtcc ttcctctagc 120
attcacgatg gttgaacgtg agacgttgac agcgtgggtca tgatttttgg cacacttgcg 180
tgaacacgtc actgataaaa atgggtatttg tctcatttct gatcgacacg cgagtataaa 240
gtccgctgtc gctaataaag cacttggttg gcaacctcct cacggttatc atgtctattg 300
cgtgcgacac atagcaagca acttcaatcg aaaattcaat aacgccaaac aaaaagaaat 360
gtttgcagaa gtgggtaaga attcatattt aatggtcacg tttatttaac ttccttatat 420
acttaanatg ggtattggat aactaattta tgcagcctac ac 462

<210> 11613
<211> 208
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11613

tatgttgntg tggatgattt ctccagattt acctgggtca actttatcag agagaaatca 60
gacacctttg aagtattcaa agaagtgagt ctaagacttc aaagagaaaa agactgtgtc 120
atcaagagaa ttaggagtga tcatggcaga gagnttgaaa acagcaagtt tactgaattc 180
tgcacatctg agggcatcac tcatgagt 208

<210> 11614
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11614

ctggaatggt aggaagatat caaagtaatc cggaatgga acattggaaa gttgcaaaga 60
 aagttctgag atacttacag ggaacgaaag atcacatgct tacatataag aggtcaaadc 120
 atattaaggt gattgagtat tcagactcat actttgttgg atgtgtggat ataaaaaaat 180
 ccactctgtt ctatgtctnt cttttagccg aaggagcaat atcatggaag attgcaaagc 240
 aatcagttgt tgttgcacat accatggaag atgaatntgt agcctgtttt aaggctacaa 300
 tttaggctaa ttggctgctg aactttatct cagagcttgg aattttcaat agtattgcta 360
 ttgtcatacc ctaatttcgt 380

<210> 11615
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11615

tcatgtggag aggttaatga aacaacgaga tgatgcgctc catgataggt tggatcaaad 60
 ggagaataga gatcataatg aagaagaaag gaggagaaga ggaatgatg gtgttcctag 120
 aaaaaaccga attgatggtg ttaaactcaa cattcctcca tttaaaggaa agaatgatcc 180
 ggaggcctac ttggagtggg agatgaaaat agagcatggt ttctcatgca acaactatga 240
 ggaggaccag aaggtgaagc ttgccgccac agagttttcc gactatgctc ttgtgtggtg 300
 gaacaagcta caaaaggaga gagcaagana tgaagagcca atggttgata catggacgga 360
 gatgaaaaag atcatgagga agcgggtatgt gccggctagt tactcaacgg acttga 416

<210> 11616
 <211> 479
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11616

agcttctaag ttctaacagg gtgatagaga gcagaattgc tgaatgtgaa ccacaagtat 60
aaagttatta taatacactg aagctccatt aaaaattgaa ccatgagtag ataattatta 120
tactacattg caactgcatt aaacatgtta ttgttattaa ccaatttcaa gacctagagg 180
accccttccc ttatttttga gaaaactacc ttaataataat ctacttctgt aattaactaa 240
ggagttgaga gaatctatcc tagagtcacc atttctcctt ttaagcagct cttgatgtca 300
aatgcccagg cttgctagat tatattatgt cattntgtat tggtttttct tcgaaaattt 360
atgtggaaca ctctggata aagtttagtt ggtttcagtc tgagagacct ggatttcaat 420
tcattacctn catggatnga gtcnnnataa acaatttata cattntttct ttcatttat 479

<210> 11617
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11617

tactaagctc tgcttaggtt ttacgttttc tgtataaggc tattgttttt gttcttaatg 60
caattttctg ttttctgctt ctaattacaa tttcgttctt gcttcttctt ctactttcat 120
ttacgtttct gtctcattta cgtttctggt tcaattacat ttatgtgcat ttacgtttct 180
gcttcatggt tcatttgctt tttctggttg aatctatgga aggctagttt ttctgggtgt 240
gtttcctttt gaggacgaag cccaactctc tttgaggttt cgtttgtaat gtggtttctt 300
ggcagttntc ccttcaccag ttatcccaaa ttcgtgaaca ttaatcagtg cacccttcgt 360
gttcgattaa ttgcctctga gcctaacttg cgttcatgct taatggacga acggctaact 420
ggtgtatgtg gtgcctaata acgtattgac aaccct 456

<210> 11618
<211> 150
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11618

caacagaagc tctcgagana ttcttatggt ctatatcttg tcacacgaag tccgattcag 60
gtgcgtaata taccgagacg ctcgaaattg aacaaccgaa gctctcgaga aattcaaag 120

ggcataactt atcacacgga agtccgattc 150

<210> 11619
<211> 340
<212> DNA
<213> Glycine max

<400> 11619

tcacacggac cgtcgattca ggcgcatata atatcgagac gtcgaaatt gaacatcgga 60
agctctcgac aaattccaat ggtcataact tttcacaagg aaccccgatt ctagcgcatc 120
acgtatcgag atactctgaa ttgaaaaccg gaagctctca agaaattcag atggtcataa 180
cttgtcacac cggagtccca ttcagacgca taatatatca agatgctcga aattgaacaa 240
cgaatgctct cgagaaattc aaatggtcac aacttgtcac acggaaatcc gattcaggcg 300
cataacatat ccagacgctc taaattgaac aaccaagct 340

<210> 11620
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11620

gctgagggtg gttgccacc atctnttcat agtagaatac tggttatgtg tctactatca 60
tcgncatcat tnttttctcc gtcattgagg tgccacttga gctgccaggt ctctccacct 120
ttgggcgtat tcttttgaaa gattcgtgcc cccttnttgc acatgttctg tagttgcatc 180
ctatctgaag acattatact gacactgcct aacgaaggca accactaggt cttccaaga 240
atggactcgg gaaggttcca agttagtgtg ccaggtaaca actaccccaa taagactttc 300
ttggaaggaa tgtatcagca attcctcatc ttttgtgtat gccncatct tccgataata 360
catctttaga tggttcttgg ggcaagtagt ccccttgtag ttgtcaaagt ccagcacc 418

<210> 11621
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11621

agcttagcta cacacacctc tetaatagct aagtttacct ncttgagatg agaagctaga 60
gcttagctac acacccccta taatagctaa gctcaccccc atgacaaaaa acatgaaaat 120
accaaaaaaa agtccttact acaaagaata ctcaaaatgc cccgaaatac aaggctaaaa 180
ccctatacta ctagaatggc caaaatacaa ggcccaaacg aaggaaaaag ctattctaatt 240
atttacaag aagagtagat ccaaccttta cccatgggct caaaaatcta ccctaagggtt 300
catgagaatc ctagggcctt ctttagtagc tctagcccaa gcctcttgga gtcttctatc 360
caataccct 369

<210> 11622
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11622

attgacaata actntntact gggatgtctg tattgggtcc cgtcatatat cgagacgctc 60
gaaattgaat gttgaagccc tgtgctaatt caaccgacaa taactnttta ctcggatgtc 120
tgattgagtc ccgatcatata tcgagacgct tgaaattgaa tgttgaagct ctgagccaat 180
tcaaacgaca ataactcttt actcgatgt ctgattgagt cccgcatatat aacgacacgc 240
tcgaaattga atgttgaagc tctcagccaa ttcatacaac aataacttnt tactcagatg 300
tctgattgag tc 312

<210> 11623
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11623

cttcaacatt tcaatttcga gcgtctcgat atatgacagg actcaatcag acatccgagt 60
aaaaagttat ggtcggttngg aatggctcag agcttcaaca ttcaatttcg agcgctctcga 120
tatatgacgg gactcaatga gacatccgag taaaaagtta ttgtcgtttg aaatgggtca 180
gaggttcaac attcaatttc gagcgctctg atatgtgacg agagtcaatc agacatccga 240
gtaaaaagct a 251

<210> 11624
 <211> 332
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11624

agagaggctc acaggtagcg gtgaactgcg atatgaactt ctctatataa tttagggtgcc 60
 ctaagaaacc ttggacttgc ttttcggtgc gcagtttggg catttcaagg atggccttca 120
 ccttgtagag atcaacctct atccctttct ggctcacgat gaagccgagc aattttcccg 180
 acttgaacaa cttccacagt ttctogaaca acttccgaaa gttgacgagt tgttcctcct 240
 cggttctaga cttggcaatc atgtcatcca tgtagactnt aatctctttg tgcacatata 300
 catggaataa tgctaccata gctttgtgat ag 332

<210> 11625
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11625

taacagaggc atgcaagcat gcctagttgc caatatatat catcaaaatt gtanatatat 60
 attatgacat aactntttct cttgtggcaa tgctcatatc aatttagatt cttcttgcta 120
 taacaacata ctatgatcat gaaatatgaa aaatggatgt ggaaaacggc tntccttaat 180
 ggtgagctaa aatatgtttc ctttaataaag tctacaagtt tcaacaatac atttatggat 240
 ngaaagaagt gtctagaatt tggagcattc attntaacia gataattgaa tngtttaatc 300
 ttgtagcta tgaagaagaa ctttgtgagt aaaaaaagggt tactgggagc attacattta 360
 tatgtagatg acatataaaa taatacacia tataatgaag aaagatntga ctactaatat 420
 attatcaatg aaatatntag gagaaacaat attttaaaaa taaagaatta ttgagata 478

<210> 11626
 <211> 470
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 11626

agcttgtcta gttgccaata aatatcatca aatgtgtaat atttattatg acataacttt 60
ttctcttgtg gcaatgctca tatcaattta gattcttctt gctataacaa catactatga 120
tcagtgaata tgaaaaatgg atgtggaaaa cggctntcct taatggtgag ctaaaatatg 180
tttccctaata aaagtctaca agtttcaaca atacatttat ggattgaaaag aagtggtctag 240
aatttggagc attcatttta acaagataat tgaattgttt aatcttggtta gctatgaaga 300
agaactntgt gagtaaaaaa aggttactgg gagcattaca tttatatgta gatgacatat 360
aaaataatac acaatataat gaagaaagat ttgactacta atatattatc aatgaaatat 420
ntaggagaaa acaatattta anaataaaga attattgaga tagaattaga 470

<210> 11627

<211> 481

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11627

agcttccaag aatcaagatc aagattcaag actctatatt caagaatcaa gagaagactt 60
aatcaagata agtatgaaaa agaattttca aaaaatgagt agcacatgga ttcttctcaa 120
aatatgttta ccaaagagtt tttactctct ggtaatcgat taccagattg ttgtaattga 180
ttaccagtaa gcaaaatggt tttcaaaaag ctttcaactg aatttacaac attccaattg 240
atttcaaaaa gctgtaatcg attacaatgt tttggtaatc gattaccagt gtgcttgaac 300
gttgaaattc aaattttaaatt gtgaagagtc acattctttc acaaaaaagc tttgtgtaat 360
cgattacact gatttggttaa tcgattacca atgattgttt ctgaataaat caaaaaatgt 420
aactcttcan atgggtttttg acttttttca aatggtttta agtntttcta aaagtcataa 480
c 481

<210> 11628

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11628

agcttaataa atctatatat gggttaaaac aagctttctt gttcttggtta ccttaagttt 60
tatgggataa tttcttcatt tgggtttgat gaaaaccca tggatcaatg catataccac 120
aaggtcagtt ggagtaaaat attttttttt ttatatatgt agatgatatt ttacttgcag 180
ccaataacat gaggtgaaac aatttctctc taagaatttt gacatgaagg atatgggtga 240
tgcactttat gtcactggca ttaagattca taaagataga ccttgatgta ttttaggtct 300
attacaggaa acctatatta acaaaatttt agagattntg gatgaaagat tgttcaccaa 360
gtgttgctcc cattgtgaag gggtgataag tttaattgaa ccaattctca nagaatgact 420
ntgagagggga acaaatgaaa aatattcctt atngctttgt tgntggaagt ctcatgtata 480
ctcaagt 487

<210> 11629
<211> 443
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11629

ctcagcttaa ctcatgaaga agtctcaaat ctctatcat ataattagat gtcctatat 60
caataattca caccgtgttt ttacctatca ttctttctat ggtgcttccc ttatgattgt 120
tcagaagatt caccagagtt tgccactact cactgctcaa acctgtcagt ccgcccttgt 180
gtgtatccat cgcttataga atcgnctctc cattggaatg accatttttg ataccaacc 240
acctgaaaac agtttgtggc atcatgtctt gttcggttgc agtgcccaca aaccgtggac 300
ttgtcttttg catctncacg ccctcttgtc ctccaccaa tttgcacagc cagaacaaca 360
acttcccctc gttcctcctt ggttctggag attgccttca cacgtctntc ttgtatgaga 420
gtagcatata ctctgttaaa tga 443

<210> 11630
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11630

gtggtaatca gagcacaaga gcttcaagtt gccatatagg gaattggaag gaggattggt 60

gccatccctt gaagaatttg agtcaagaag caaggggccca accaccttat gagctatngg 120
 actaagaagc actccaaatt ggggtgaatca ccaaagagag aaaaaccacc aaaattgagg 180
 accctttttgc aattctgtaa ttgacaattt actttacttt catttgcttat caaatttgta 240
 acaaaaaggc ctttcattgg aagtaagtag ggagcctcca atagggcacc ctacttacct 300
 ctgagtgaat aaatttaggc aattttccct tatgattgtg agtgttttgt tgggaacctt 360
 aaaagtggtc atccaaacac tcataggata tccctagatt acatatctcg cttact 416

<210> 11631
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11631

ctcataactg aagaacttac agcagatttt gtgtattttc ggcacagtt agtaccattt 60
 cctttgaaca gcccacgaaa accttcagtt ctccatatat atttttagacc ttgaattggt 120
 ccattgtatt taatgctgtg tggattctga acctgtaaat ggcagaggca catcacatcg 180
 cacatatgat atcgatacac ccaaccacaa aagaaccaac aaaaaaggta gcttgtcaga 240
 tgcacttttt ttctttataa caagaataaa tgatagctaa atccacattt aaaggtaaac 300
 aactatatgg ggattaacct gtagcaaaat cttcaagcgt tccagtggag caactgctgt 360
 tcgtgatctg catatataca aaaaagggtc aaatcaatta aaactcgaca taatgcaaaa 420
 naggatgttg aaattatcag taagaaatag tttccaggaa aattggat 468

<210> 11632
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11632

tactaagctt cttagaaaac gtggcattgt gcgcaatata caatgccctg tttaccacaa 60
 caaaatggta tatcagaaaag gtgtaataga actttaatgg atatgggttg gtatgttaat 120
 caatttgaat ttactcgtat ctttgtggat gtatgccttg aaaactgtca tgtaattggt 180
 gaataggggt cctagtaagg cagttccaaa gacaccttg aaactctgga caaataggac 240

acctagtata aggcacttgc atgtttcggg ttgtcaggca gaaataagga tttataatcc 300
gcaagaaaga aaattggatg caagaacaat caatggatat tttattgggt atccagaana 360
atcaaaggag tatatgttnt attgtcctaa tcatagtatg agaattgtcg aaactagaaa 420
tccaaggttc attgaaaatg gtgaaatcag t 451

<210> 11633
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11633

gcttacaata gagctgttca tatcaccact aattgttctc ctnttgaagt atgttatggt 60
tttaaccac taactcctct tgatcttttg cctatgccta atgtttctgt ttttaagcat 120
aaagaaggtc aagcaaaggc ggactatgtg aagaagcttc atgagagagt caaagatcaa 180
attgagagga aaaataaaaag ctatgctaaa caagccaaca aagggcgaaa gaaggttgtc 240
ttcgaacccg gagattgngt ttgggtgcac atgagaaaag aaaggtttcc ggaacaaagg 300
aatcaaagc ttcaaccaag gtgagatgga ccatttcaaa tgctnganag aatcaatgac 360
aatgcttaca aagttgagct gcccggtgag tataatgtta gttccacctt caatgtctct 420
gattnatctc tttttgatg 439

<210> 11634
<211> 475
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11634

tatcagatcc tgaaataccc nctcaccact gagtctgcct gattaagatt gaggacaaca 60
acactttggt tttcattgtc gacctgctg cgcacaagaa gaagatcaag gatgcggtga 120
agaaaatgta tgacatccag gccaaaaaag tgaacacctt gatcaggtga gcatctatgc 180
aatgattgca gttttgatag taatgatttc atattgcatt attgctgatg aaatttggtg 240
attggtagtg atttccgtat tcacttagtg gtataaggta ttgatgttgt tgtgaaattg 300
atgcatgatg tcatgatgtc acatgacgtc acatgtaatt tctagttttg atatcttnt 360

gaagaccctg ttatgttgat gcatgatgtc atgatgtcac atgtaaattc tagtcctgtc 420
tgtacactct agctnttttn tcctaccttt aaacataatg gaatagtcct gttct 475

<210> 11635
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11635

tgggcttact attctcatcc natctcatca atacattaaa gttatatgat tngacttntg 60
cactgatgga agggaatacc actatctact cgaatacccc taacaagctt gtaggagctg 120
tcggtaaata aaggctctca ccattccattt caattttctc caactcccta ccacatatgg 180
taaaaataaa cattaacttc tatcaaagac acattgaaaa tttaacataa aaatccacaa 240
taaaaataag ccttcagaca ttnggccagt acctccggat accagctcgg cggttcttctt 300
tagggagtgg aaatagtaca ccagagatgg atgtaacttt gtcaaagaaa tcaaactctc 360
tnttaaatat gtcaa 375

<210> 11636
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11636

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ttacatgaga agcaatcaag tataatgtta cttccttcac taaagcgggtg atccatctcc 120
acacatattn tatcaatggc aacataaaaa atctttgcac ggaatgatga aaataatgat 180
agtcctcctt ctgctcttga cgaccccgaa ctgtatttcg tcatccatat ttggtaccag 240
aatactttta gcaacacaaa atccttggac atcggcaaaa aaattattcc agccactctc 300
tctcattgtg cccaaccgag ctttgacaac atcaactaat tccatggcat tcacaatatt 360
aagatctttt ctttgcaata tatttgaaag ctcatctgtt tctatgacct ggacacgcac 420
aatctcattt gggtaaaactc attaacca tttatgtggc ggtctaattc ggcttcttgg 480
tgacaacatt cacattctc 499

<210> 11637
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11637

tcagatttac tttcagtcac ctcatccaag actttgtttg cattctttat cttgccatct 60
 tngnacaacc tgcacaaaat tgaattaaat ttaacaactc cagggcacaa ttaatccctt 120
 agcctccatc attcctttca ttnttagagc tttatctaga tgatttgtac atgacaaata 180
 catatttgag caacattagt tctactagatg tcattatgtc cttccttcac cctgataaca 240
 tagtccttca ggctgggtcat gtcacacca ctcttagtgg agtgatacct cagcaattca 300
 gctagctntg tcttgttntg agaatccaca tcaagaccaa gtttaagggt gtttagagaag 360
 gcttcataaa acttgttata gtcttacaag gctagtaacc ttgatggtaa caagtacgtc 420
 attggcatga ctatagtttt tcaacatggg agtatactag tatgtctaata gcctcatgga 480
 anttcagtga tatt 494

<210> 11638
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11638

ctgcagcttg aaagcacatg attttgacaa actttttacca agagtnttac tctctggtaa 60
 tcgattacca tattgttgta atcgattact agtagcaaaa tgagtttgaa aaagttttca 120
 aactgaattt acaacgttcc aaatattttc aaaaggctgt aatcgattac aatggnttgg 180
 taatcgatta ccagtgtcct tgaacgttga aattcaaatt taaaaatgaa gagtcacatt 240
 gtttcactca aaaactttgt gtaatcgatt acacttantt ggtaatcgat taccagtgc 300
 tgtttctaaa aggtttttta gt 322

<210> 11639
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 11639

actcggatgt ccgatttgtt cccgtagtat atcgagacgc tcgaaattca gaatagaagc 60
tctgagcaaa atcaatcgac aataacattt tactcggatg tccgattgtg tcccgttgta 120
tattgagacg ctcgatattc aaaatagaag ctctgagcaa aatctaacga caataacttt 180
ttactcggat gtccgattgt gtcccgtctg atatcgagac gtcgaaatt cagaacagaa 240
gctctgagca aaatcaatcg acaataacta ttactcggga tgttcgattg agtcccgatg 300
tatatcgaga cgcttga 317

<210> 11640

<211> 429

<212> DNA

<213> Glycine max

<400> 11640

ttctcataag cttgaaatct caatttctga aattcatgaa gttggagctt cctgtgttcc 60
ctagctacat tgagatcaaa atttagaaac ttcaatgcc agtaagcttt gtgctccaac 120
tcaacaggta agtgacaaga ttttccatag aaccaatgga agggagttag tcctatagga 180
gctctgtatg ctatttcata tgcccacaga gctccatcta atgaccgagc aactgttttc 240
tctaggatct tcttgacttc cttggttagaa acttcaactt gccatttggc ctgggaatgg 300
taaggtgagg ctatcatgcg tctgacacta tagtggttga gaactttctt gagttggaca 360
ttacagaaat gagatccttc gtcatttatc agtacccttg gtgtgccaaa cattgaaaat 420
atgttttct 429

<210> 11641

<211> 227

<212> DNA

<213> Glycine max

<400> 11641

agatcaccat tcatgaacgc cgttttcaca tacatttgat gcagctcaag atcaaaatga 60
gctactaatg ccagaattac tcgaagagag tctttcttag atacaggga taaggtctct 120
ctgtaattga ttccatctct gtgagtcgaa tcttttagcaa caagtcttgc tttatgtctc 180
tcaatgggtgc cttctgagtc tttctttggt gagaagaccc atctaca 227

<210> 11642
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11642

tagagaagta ctgagcaccg cccaattcgt ccaacttttc attaattgtc ggaatcggaa 60
 accggtcacg aaccgtgacg gcgttaaggg ctctgtaatc aacgcagaat ctccaagagc 120
 cgtctgtctt gcggacgaga agaacgngg atgaaaaagg acttgtactt ggtctgatga 180
 gtcctttttg taacatatca ttgacttgct gctcgatctc cttcttctgg taatggggat 240
 atctatacgg atggacattc acgggattgg tgtggggaag gaggtggata tgggtggtcgg 300
 tgtcacgggt aggaggtgaag ccggaggggt tctgaaatan ggtcgagaaa cgtgtaagta 360
 aggcttgat ttc 373

<210> 11643
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11643

gaatcagaaa tctgtacctg tcgcaagggt ttgtggtttg tgctcctctg ctgaccacca 60
 tacagacctt tgcccttcca tgcagcaacc tggagcaatt gagcaacctg aagcttatgc 120
 tgcaaatatt tacaatagac ctctcaacc tcagccgcaa aatcaaccac agcagagcaa 180
 ttatgacctc tccagcaaca gatacaatcc tggatggagg aatcacccta acctcagatg 240
 gtccagccct cagcaacaac aacagcagcc tgctcctttc tttcaaaatg ctgctggccc 300
 aagcagacca tacattcctn caccaatcca acaacagcaa caacccaga aaca 354

<210> 11644
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11644

agcttatnta acataaatat tanaactacc attatctnga ttataaagtt ntttttaaaa 60

aaaaactatt tgatcaaaag ttttgattta ataaattatt aattaagtaa tatatgactt 120
 ataagttagg atttatatth tttattcatt ttatcctatt aattttntaa aaataaacttg 180
 taccttccga taattatgat atctatttta aataaattac atgtacacat tttgtttttt 240
 tttttatcaa atttacttta cttaataatg aatttattaa aattttaatc attaaatata 300
 catgcaaaca tataaatggt ttttacctca gtattttatg tactatatag ctaattaatc 360
 aaataatttt aatcaatggt ntgaatttaa tcactaattt tcaatttata cctccagact 420
 ttttaactca ttntnnttta taaaaaaaaa 450

<210> 11645
 <211> 217
 <212> DNA
 <213> Glycine max

<400> 11645
 ggacccatt tctaccaact acaagaccta ataaaactat attatctaca caagaggtag 60
 acttctctat atttgcatag agggagttct tctaaagac tgaaagaact tgcctgagat 120
 gtcctaagtg atcatctagg ctctactgt acactaaaat atcatcaaaa taaacaactg 180
 gcaatctact tatgaaatcc cttaagacat gatgcat 217

<210> 11646
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11646

acatcatgta tgagattcat ttactaccaa atatcaatat gttatccaga tacaacata 60
 aaatgacacg ttcatatta ttaaattggt tcacatacac acatttatca ctatcattaa 120
 tttgaaaatc atacaaaaga ataacttaat caaacttttg tgtcaatgct ntggagcttg 180
 tttcaaacca tacaagatt taacaattta atttttaagg aaaaagaatt tcacagaaag 240
 tcacatctct agactccata atagtaccat tagaaattgc agatacttct gaattaataa 300
 ctaagaatct ataagtagta ttat 324

<210> 11647

<211> 323
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11647

gcgtctcgat atattacggg cctcaatcta catttgattt taanagtatn gncgnnnnga 60
 attgctcaga gcttcaacat tcaattccga gcgtctcgat atatgacggg actcaatcag 120
 acatccgagt aaaaagtcgt tgtcgtttga attggctcag agcttcaaca ttcaatttcg 180
 agcgtctcga tatgtgacga gagtcaatca gacatccgag taaaaagtta ttgtcgtttg 240
 aattggctca gagcttccac attcaatttc gagcgtctcg atatattacg ggctcaatc 300
 agacatccga gtaataagtt att 323

<210> 11648
 <211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11648

cgaatatatc gagacgctcg aaattgaatg tggaagctct gagccaattc aaacgacaat 60
 aactgtttac tgggatgtct aattgacgcc cgtaatatat cgacatgctc gaaattgaat 120
 gttgaagctc tgagcacaat caaacgacaa tataactttta ctcgatgcc tgattgagtc 180
 ctgtcatata tcgacacgct cgaaattgaa tgttgaagct ctgagccaat tcaaacgaca 240
 ataactctnt acatggatgt ctgattgagt cctcgcatat atcgagacgc tcgaaattga 300
 atggtgaagc tctgagccaa ttcaaacgac aataactttt tactcgatg tctga 355

<210> 11649
 <211> 218
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11649

ctctgagcaa attcaaacga caataacatt ntactcgat gtccaattga atcccataat 60
 atattgagac gctcgaaatt tanaacagaa gctctaagca aattcaaacg acaataacat 120
 ttactcgga tgtgctattg agtcccgtaa tatatcgaga cactcaaaat taaaacaga 180

agctcataga aaattctaac gacaataaca ttntactc 218

<210> 11650
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11650

ataaaggtag tagtgccatg ttttcaaagc ccgtactaag gcatacaact cttatcata 60
agttgaatag ttaagggtag gaccacttaa cttttcacta aaataagcaa ttggatggcc 120
ttcttgcac aacacagccc caatccaac atttgaagca tcacactcaa tttcaaaaga 180
tttttgaaag tttggcaacg caagtatggn ggcattagtt agcttttgct taagaacatt 240
gaaagcttct tcttgtttct cttcccattn gaaaccaaca tttttcttga gcact 295

<210> 11651
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11651

gatatatcga gacgctcaaa attgagatcc gaagctctga gacaatagaa ccgacaataa 60
ctntatacac ggatgtccga gagagtcccg tgatatatcg agacgctcca aattgaaaac 120
gggaactctt agaaaattca aacgacaata actacttact cggatgcgcg acagagagaa 180
gcaatatatc gagagatgct ccaaattgat tacgaaagcg cggagcacat gcaaacgaca 240
ataacttttt actcaggtgt ctgagtgagt cccgaaatat atcgagacg 289

<210> 11652
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11652

ctcccagata gtgaatatgt gatctatggt gttctcttca caggccactt gatcaacatg 60
cccaacaagt gatatcaaat gataccaaca ggtcacttgt ctttgattga ttacttttga 120

tggttgtttt ctacttgagt ttagattgtc cttgatgatt gattgattnt ttttattgat 180
 gtgtgtgttt ttgcttgatt gatgttcaat gtttgttact ttgattgatt gattatattn 240
 tatatttgat tacttgtcct tgataattgc ttntgtattg gtgtttgcta ttgattgagc 300
 ttgattgatg tgttattgta ctggtttatg cttgattaat attgaatgag tgtttaatgc 360
 cttttggatc acttgattct atacattaca acaagtggaa catttttctc tcttatcat 419

<210> 11653
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11653

atcctctgag tcacctgagg ctgcaagcta caactntatc ttccacaatt ttgctctttt 60
 acttgttatn natatnnttc taattaatat ctaacagagg cctcttctat atagatatct 120
 acatgtccat ctattatcga acctacgata gaaacaagaa ctaaaatggg aatatcccaa 180
 cgaaatagtc ttaaaattag taggcacaac aatctaacta gcatcatgga ttggagtttg 240
 acccccanaa gactccaaat cggggccaccg aacaaatagc acaggggtggg taaaagatc 300
 ccgaatgaaa atagagactt atatctattg tagtaagtcc caccttttag tgattgtagt 360
 aactctgggt taatagtcgt tagaatgtct ctntcatatt gaggggaattt atctaattggc 420
 attcaatcac agaatcca 438

<210> 11654
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11654

gatctctgat gttaggataa atatctcctt tcattggatg anagtatgaa atgttgggtc 60
 ttattcctct ccatagttca taataagtct ttctaataca tgggtgccatc tatattatgt 120
 tttgaacata gcaagctatg tttaccgctt ctccctagaa gtttttagga agtgagtttt 180
 caciaagcat ggtcctagcc atttcttgca gagtntatt nttcctttca actaccgat 240
 tttgttgagg tgttctcggt gaagagaagt taaggaagat accattcttt tcatagaatg 300

atntanactc aacattctca aactcaattt catgatcact cct

343

<210> 11655

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11655

aattacttaa aggatgtttc tgaatgtgaa ccatatacta agtcatgcaa tctatacaga 60

cacagattga gatgagtcta agaatatatg aaatatccaa gaatggattc accatattag 120

anacacacct ggatttctgg atcagcaaca acatactgct tcaggagtct atcaccaaatt 180

gcacgtgaaa cagcaagaac tccaccaact ctccaagttc ctgtaaacad agtgttttaga 240

atttccatag tgacaaacaa gatgaatctt ataataaatc aaataacana cagctaacta 300

gaagataacc ttaccagccc acataacana gccacctgca tcttcaatcc ttgcctctc 360

atcagttnga tct 373

<210> 11656

<211> 281

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11656

aaaaacaact aacgcatgtg ggatggcatg ntgcttacia tctgcgataa ctgtagtaaa 60

aacaatcttc tttaaaagac cctttgacct taaaattoga agtggaacgt gctgcatcag 120

tggatgcaca ctgattatta tatctggctg atattacatt aggccttggg caacctcgct 180

gtaaaaagag aaaagatatt ttaactatga catgtgatgt tacattggta ttgagaagag 240

atcgcgatgc acaataaagt attctctgaa ccatggaatg c 281

<210> 11657

<211> 274

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11657

ccttatngct aatgattatg ccatgttcat ctaacttatt cctaagtacc cattttattc 60

ctatgatggg agagatttca ggtctcggtta ctacgcgcca cacattgggtt ctttcagact 120
aatttaattc ttcttgcata gcaactatcc aatgatcatc tattatgggt ccatctatgt 180
ttgtaggttc acccatagac accaaattca tactatagca taagtctgta agagaatggc 240
taatcggtac cccttatgag atatcacaaa taat 274

<210> 11658
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11658

gatggcttct tcccattcca agcttcaatt ggagtcttat cttntacaga cttagttagga 60
cattctgtga gtatgtaaac agcagtgtag actgcttcag ccagaatgt gttaggtagt 120
cccttttctt tgagcatcga tctagccatt tccataacta tgcgattctt tctctcgga 180
taatccattt gttgagaaga atatgcgact gtaagttatc gctcaatgcc ttcacctca 240
caaaatcttt caaacttgcg agaggtgtac tctttgtcgc gaacacttct taagtactt 299

<210> 11659
<211> 263
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11659

tcttcaagaa gagagccttc cncaacagct aatttcaatc attatgcatt gtattaattc 60
agccaatct aatctattgt ggaatgggtca taagggtgcc cctttcttac ctcaatgtgg 120
ctcgagacaa ggagatccca tgtctccgta tatttctgtg acgtgtatgg ataagccatc 180
tcatataatc ctttaagctc ttcattgcaag tcaatggaag cctatgagag ctggtcgaaa 240
tggaaccattc atttcacact taa 263

<210> 11660
<211> 282
<212> DNA
<213> Glycine max

<400> 11660

tgaacctaca acagtcccag aattctgaca atctgccttc taaagctgcc caaaatccca 60
 aaaatgtcag tgccatttca ttgaggtccg gaaaacagtg tcaaggacct taatccgtag 120
 caccttcctt atctgcaaat gaacctgcc aacttcactc tactccagaa aaaggtgatg 180
 actaaaattt acctaacaat ttctgtgcaa gtgaatcttc tctcacaggt aatactgatt 240
 tgcaaaagca gcacattccc cctcttccat tcccttcaag ag 282

<210> 11661
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 11661

tgacaccaa gtattccatc tatggttggt ttaccgattc acatcctcag acaatgggga 60
 aaggtactg ttattgatgt caaacacaac ctcttggcat aagcgggtga aaaggtctgc 120
 aacttcagca tcaactacaa gccaatgctc aattatgcc cgataatgaa ggtacccac 180
 atcctctggg gagttaatca agttgtccat gaagataaca taggatgtaa tgtcattgct 240
 gcaatcaaga tgacactgct caaaggcaat caggttgagg aacaaagact tggtagcgtc 300
 gtggatcaag agccgtggta ttcgcagttt gccatcctta aatttgatgt cccagaagcg 360
 atcggctctt tttttttt 378

<210> 11662
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11662

gcatgggcag ttatgtctcc gcatngatng gtaaactctgt tectcanatt cctgnaaaat 60
 gcaaagaacc aggtacattc agcatacctt gtattatatg gaatagtaag tntgacaatg 120
 ccatgctaga tttangagcc tctgntagtgt ttatgcctct gtogaatttt aattctctat 180
 ctctaggtcc cttgcagtca actgatgtgg taattcatth agctaataga agtggtgtct 240
 atcctgttgg tttcatagaa gatgtcttac gtagagttgg tgaactgatt ctccctgttg 300
 tttttatata ttgaatatg 319

<210> 11663
 <211> 325
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11663

atcttacacg atttccattt ctctgtgtg ataagaaaat atattatata gtattccaat 60
 tggcacttgt tattttctac aaaagtaggt gagatctgct agtgctaatag atatattcac 120
 tatgtataga actatgttat ttatgaattg gccacaagct cttaccttac aactgtcaat 180
 gtaatgtggc tcattggata tttatatgca ctttcgtgcc actgtcagtc tgttatacta 240
 gattaccttg ccagcaagac tatntgttca gatgatttgg tagttgtctc accagatgtt 300
 ggcggtgttg ccagagcacg tgctt 325

<210> 11664
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11664

aatgtccgat tcgngacat aactcatcta gacgctctaa attgaacaac gcaagctctc 60
 gagaaattcg aatggtcata acttttcaca cggatgtccg attcggggac ataactcatc 120
 tagacgctcg aaagtgaaca acggaagctc tcgagaaatt cgaatgggtca taatatttca 180
 ctcgatgtc cgattcgagg acataatata tcgagatggc caaaattgaa caacggaaac 240
 tgtcgacata ttcgaatggc cataactttt cacacagatg tctgattcgg ggacataact 300
 catctagatg ctcgaaattg aacaacggaa gctctcgaga aattataatg gtcataactt 360
 ttcacaccga tg 372

<210> 11665
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 11665

ccttatgata tcaaacataa attgggataa ggtcatatcg taaccgatgc tctctctccg 60

cgatcatgcat tacttttctat gcttgaaaca aaatagactg gtcttgattg tctgaaaaac 120
 atgtatgaaa atgatgaaac ttttgagagag atttttaata attgcgaaga caatttata 180
 catggtttct ttagacatga gggcttcctt ttcacagaaa acaaatgtg tgcgctata 240
 tgttctac 248

<210> 11666
 <211> 265
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11666

gaatatatcg agacgctcga aatngcatat cgaagctctg agacgactca aacgactata 60
 actatttact ccgatgtctg atgtgagccc ggaatatgtc gagacgctcg aaagtgaata 120
 ccgaagcttt gagcagtatc aaacgacact aacattttac tcggatgtct gactgagtcc 180
 cggaacatat cgagacgctc gaaatggatt atcgaagctc tgagcagcgt tatacgagga 240
 taacctttta ctctgatgtc tgatt 265

<210> 11667
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 11667

taacaaaagg catgcgaagt ggggtggaatt cctagagcaa ttcccttatg ttatcaaaca 60
 taaaaaggga aaaggtaata ttgtagctga tgctctttct cggcgtcatg cattactttc 120
 tatgcttgaa acaaaattga ttggtcttga atgtttgaaa aacatgtatg aaaatgatga 180
 aacttttgga gaaattttta aaaattgtga aaaaatttta gaaaatgggt tcttttagaca 240
 tgaaggcttc cttttcaaag aaaacaaatt gtgtgtgcct aaatgttcta ctagaaattt 300
 gcttgtttgt gaagcatatg aaggagggtt aatggggcat tttgggggtcc aaaagactct 360
 agaaacatt 369

<210> 11668
 <211> 284
 <212> DNA
 <213> Glycine max

<400> 11668

gttcctctcc ccatttgaaa cctgcatttt tcttgagcac tcgattggga ggtgctgcca 60
atgagctaac gttgttcaca aactttatat ggaaactggc taagccatga aaactcctca 120
cctgggtcac agacttacgt gtaggccagt cttgaatagc cctaaccttg atcttatgaa 180
cttgcaactcc ttttgaactc acaccaaaagc caagagacac aacatgggta gtacatagga 240
tgcattgggc aagattggca tacaatgggt cttttctaag caca 284

<210> 11669

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11669

gctctcgaga aatacttatg gtcataactn ttcactcgga ttgccgattc aggtgcataa 60
catatcgaga cgctcaanat tgaacaacag aagctctcga gaaattcaaa tggtcataag 120
ttttcacatg gatatccgat tctgtgttat aatatatcga gacggtcgaa attgaacaac 180
gactcgagaa attcaaattg tcataacttt tcaactcgat gttcgattca ggcgcataac 240
atatcgagac actcggaatt gaacaatgga agctctcgag aaatacaaat ggtcatagac 300
tttcaactcg atggccgatt aaggcgcatc acatatcgag acgctc 346

<210> 11670

<211> 383

<212> DNA

<213> Glycine max

<400> 11670

ctgatgcaac atttgagag gttaatgaat cttcgagatg atgcgctcca tgagagggtg 60
gatcaaatgg agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatggt 120
gttcctagac aaaaccgaat tgatggtatt aaactcaaca ttcctccatt taaaggaaaag 180
aatgatccag aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac 240
aactatgagg aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt 300
gtgtggtgga acaagctaca aaaggagaga gcaagaaatg aagagccaat gggtgataca 360

tggacggaga tgaaaaagat cat

383

<210> 11671

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11671

gtgtntagtc tgaattgggg ttgagtactt accctnttct gctctcctaa cctcgatatgg 60
tatttctcac agactaattt gtccccacac tcatcatcaa aatggtgtgg ttgaaagaaa 120
acacagacat atagttgatc tgggccttac cttgntacat catgcatctt tacccttata 180
gttntgggac tatgctgtta ctactgtttt ctatctaatt aatagacttc ctaccacttc 240
cctcaactnt gctattccct ttgtcactct tttcaacaag gatcctgatt tccaattcct 300
taaaactttt ggctgtgcct tttttttctt ttgttagacc ttatcatact canaaactta 360
attntcgtc tcaagagtgt ctgttnggng tactcctcat ctcataaagg tttcaaagt 420
ttgtcttcaa ctggcagaat ttata 445

<210> 11672

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11672

gacccatgta ttctgcaaca tttccactac cattgngtcc tagggaagta gtggaaagta 60
tttctacaag agattgttgc aatgcttcca tgccttgatt tanagcatcc tcagcctgct 120
gggaagactg ttgtagatta caaattccca tcaactgctg atcttgtaat ggctcaaggt 180
ggttcttgat gatctgaaac ccanaatata agaaacgagt caaaaacaaa caaattatgt 240
acacaagtga agttaattac tatcattnta gaatgtggat tngacctaac tcgaccccaa 300
aaattagatt ataaggtgag agttacacct cacttatatg ctctgtcttg atcttatctc 360
ttctcaatat aggacttggg tttctttcaa tatacctctt cacacttagc accctttggg 420
tttgatgcgt gaataaca 438

<210> 11673

<211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11673

ttgagccaat tcaaacgaca ataactnttt ttcggatggt tgattgagtc ccgtaatatata 60
 acgagacgct cgaaattgaa tgttgaagct ctgagctaata tcaaacgaca ataactnttt 120
 tctcggatgt ctgattgagt cccttaacat atcgagaccc tcgaaattga atgttgaatc 180
 tctgagccaa ttcaaacgac aataactnttt tacttagatg tttgattgag tgccgtaaca 240
 tatagagacg ctcgaaattg aatgttgaag ctctaagcca attcaaacta caataactnt 300
 ttactcggaa gtttaattgag tt 322

<210> 11674
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11674

cgtgattctt aattatatta aagagttaaa anaatatatg agattaataa aattagagaa 60
 tattatgata tatatnttta gttacatgt aggtacttaa ataaattaga agcttaagggt 120
 agttgaacat gttgtgaatt attctgaagt taaatntgtg tgttggtggt ggntttgttt 180
 cgttatgtac gttcattaaa aaatgagaaa attaattagt agtcttagaa taaattaaaa 240
 aactgtgaa taaataatta ttatatctaa gttatataat acacataaat taaaacagta 300
 cggatgagga gatgagagac atagagacat acataataaa cataacataa tttaacaaga 360
 aatacgaga 369

<210> 11675
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11675

tcactatgaa tgacaaattc cttngataa aggtagtgtt gccatgtntt caaagccgt 60
 actaaggcat acaactcctt atcataagtt gaatagttaa gggtaggacc acttaactnt 120

tcactaaaat aagcaattgg atggccttct tgcataca cagccccaat cccaacattt 180
gaagcatcac actcaatttc aaaagatttt tgaaagtttg gcaacgcaag tatggnggca 240
ttagttagct tttgcttaag aacattgaaa gcttcttctt gtttctctcc ccatttgann 300
accaacattt tcttgagcac ttcattgaga ggtgctgcca atgtgctaaa atccttcaca 360
aatcgtctat 370

<210> 11676
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11676

gcgcatatta tctcgagacg ctcaaattaa ccaacggaag ctctcgagat attcanatgg 60
tcataacttt taactcggag gtccgattca ggcgcataat atatcgagac gctgcgaaat 120
gaacaacgga agctctcgag aaattcacat ggtcataact tttcactcgg atgtcagatc 180
aggcgcataa tatatcgaga cgctcagaat taacaacgga agctctcgag aaatccaatg 240
gcataacttt cactgggatg ccgttcacgc cataatacat gagacctcat attgacaacg 300
gagctctcat aaatcaatgg cataactttca ctc 333

<210> 11677
<211> 359
<212> DNA
<213> Glycine max

<400> 11677

tcaagctgtg aggacctgta tctccttgtt tccttacaag aatgtctggg cttggaagtt 60
gcaaagtcca gcaagggcga tgaaatgact caccgaaaat atgccctttg tctattagag 120
gatactgggtt ttcttggtcg caaaccatcc tcccttccaa tggatccaaa tttaaagctc 180
aacatgccca gaggtgattt actgcccaat ccctcaatgt acatgcgtat acttggtcag 240
ctcatgtacc taactatttc aaggccggat attacatttg ttgtaacaa gctaagccag 300
tacatgcaac atctcaagac acctcatgta gatgttgcca tcatctgcta caatatatc 359

<210> 11678

<211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11678

agcttatctc ctaatgcacc tattccattc ctcccatggt catcatcacc ataaacagca 60
 ataacctctc tccagccaaa gtagttaaca gagtctgcta ttgcagtcac ttcataaatg 120
 tcactaaaag cagctctaataa aaagaatggg aattgaagtg aagaaagagt atggtcagtg 180
 gctgtaaatg atagtagagg aactnggagc tcgttcgcta tatgagatat gacatgagct 240
 gttgtagacg tctggggacc gattatagcc acagtttgtg tgccatgagc tgcaggctat 300
 acacacaatt tatgtaacca agagaataat ctgcaaactt tgagaacttg 350

<210> 11679
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11679

agaatgaagc tctgatacca cttgttggac aagtggcctc agatatctta agaagggggg 60
 gttgaattaa gatattacaa attatttccc canttaaaaa ttctatttaa ctttctattc 120
 aagttataaa ttcccttaataa aatgaatntc ttaaataatta attcaaataa aacaagttga 180
 atatgaatat aaaacaataa taaataaagg gagttaaggg aagagaaagt gcanacctca 240
 gattatactg gttggggcac acccttgtgc ctacgtccag tccccaagca acccgcttga 300
 gagttccact atcttgtaaa ttccttttat aagttctaaa caca 344

<210> 11680
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 11680

agcttaacaa ggctctctat ggctaagttc taattctcca aggcagcgga ttcacagggt 60
 aaaatctact atacttgagc atggcttagg aacagacagg tgacatgctt ctctgttcat 120
 ctacacacat caagagcata ctgtctatct ttagtctat gtggatgata tcatcatcac 180

aaacagtttt gtctatctta gtcggcagct aactttcaaa ctaaacattg ccttgtctca 240
 taagaaactg tgtcatttgg actattgttt gggactagag atcaaataac atgcttataa 300
 ttctatacta ttgactcata gcgattatat tcatgattta cttcacaaaa ctcatatggc 360
 tgaagcacat tctattttct ctcccatggg tctta 395

<210> 11681
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 11681

agcttgaagg taaactagat gccttggtta acctggtaac ctagctggcc ttgaataaaa 60
 aatctgcaact tgttgccaca ctctgtggtt tatgtcctc tgccgaccac cacacagacc 120
 tttgcccttc tgtgcagcaa tctgaagcaa ttgaacagcc tgaagcttat gctgcaaaca 180
 tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagaac aattatgacc 240
 tctccagcaa caggtacaat cccgggtgga agaatcatcc caaccttaga tggctcagtc 300
 ctccacaaca gcagcaacaa caacaacctt attttcaaaa tgctgctggc ccaagcagac 360
 catacgttgc tccaccaatc cagcagtaac aacaacaaca gcaaccgcaa tag 413

<210> 11682
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 11682

gaacaagcta caaatggaga gagcaagaaa tgaagagcca atggttgata catggacgga 60
 gatgaataag atcatgagga agcggatatg tccggctagt tactcaaggg acttgaaatt 120
 caagctccaa aaactaacc aaggcaacaa ggggggtgag gagtatttca aggaaatgga 180
 tgtgctcatg attcaagcaa atattgaaga agatgaggag gtaactatgg ctcgatttct 240
 taatggtttg actaatgata tccgtgatat tgttgagctg caggagtttg ttgaaatgga 300
 tgatttgctt cacaagcaa tccaagtgga gcaacaatta aaaaggaagg gagt 354

<210> 11683
 <211> 410
 <212> DNA

<213> Glycine max

<400> 11683

agcttcttag tctcgactga tgaagatgaa ttcgtgggta cttcatgcac tcctctaatag 60
acaatagcat cacttccggc actaaattgc tgggagtttg aagccatctt ctcaattaaa 120
tttctggcctt cagaaggggt catgtctcca agggctccac cactggcaac atctatcata 180
cttctctcca tggtactgag tccttcataa aaatattgga gaagaagggtg ctcagaaatc 240
tggtggtgaa ggcaactggc acataatttc ttaaattctct cccagtattc atataagctc 300
tctccactga gttgcctaata ttttgaaata tcttttctga tggtcgtggt cttggaagta 360
gggaaaaatt tttctaagaa atctctcttg aggtcatccc agctcgtgat 410

<210> 11684

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11684

ctgacagcca atgggtgagt ccagtttaag tgggttcctaa gaagacatgc ctcacagtga 60
ttaagaatga gaagaatgag cttatcccca caagagtgca gaacagctgg cgagtctgca 120
ttgggttatag gaggtgaac cagggtgacca gaaaatatca ttttcccctg ccattcattg 180
atcaaagtct tgagcgcttg gcaagtaagt ctcattacta ttttcttgat ggtttttctg 240
gttatttaca aattcatatt gtcctgagg atcaaganaa gaccatattc acctgttctt 300
ttagcacttt ttcctataag aggatgccct ttggcctatg caacgccctt gataccttct 360
agtgatgtat gcttagcatt ttcagt 386

<210> 11685

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11685

tcttctaccc catttctgac agccaatggg tgagtccagt ttaagtgggt cctaagaaga 60
catgcctcac agtgattaag aatgagaaga atgagcttat cccacaaga gtgcagaaca 120

gctggcgagt ctgcattggt tataggaggc tgaaccangt gaccagaaaa tatcattttc 180
 ccctgccatt cattgatcaa atgcttgagc gctcggcaag taagtctcat tacctatttc 240
 ttgatggtgt ttctggttat ttacaaattc atattgctcc tgaggatcaa gaaaagacca 300
 tattcacctg ttcctttagc actatttctc ataagaggat gccctttggc ctatgcaacg 360
 cccctgatac cttctagtga tgtatgc 387

<210> 11686
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 11686

agcttgtttg agaagagcga ggtttaactt aatgatatgt ctgtgttttc tttccacatc 60
 agcattttga tgatgtgtgt gagggcaaat taccctgtga atgatcccat gggtttgaaa 120
 aaatgagata agaggtctaa attcacctcc ccaatctgtt tgaacactct taattttggt 180
 atcaaattgg agttcagtca tggttttaaa ttggtaaaaa acagaaaatg tttctgattt 240
 atttttaaga gaatagatcc aagtgaactt agaataggca tcaacaaagc tgatataata 300
 agagaaacca tttgtggcac aaatcactgt atatagttca agagagcaga tatacagttg 360
 aaatcatggt agtctatgtg actttcacat aac 393

<210> 11687
 <211> 368
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11687

agagagagcc ttattagaga agnttagttc tattgatctn taaanatttg ctcagntaga 60
 agtgtttagag agaagtntag ttgaatgcaa aaggtagagg aaagaccttg ccgccaactt 120
 cagaatcgaa gtcgtacttg tcaagagcag cagtgaagtc ttcgatggtg aatgaaacac 180
 cttccattgg agcattgcgg catctctcgt aggcttcttc gaagagtttc ttaagcctcg 240
 ctctctcttt gttctgcgca ttggctattg ctattgagtt cgcaatggta attgaaacgc 300
 gcttttggga ttgttgggtc caaagagaag gtttggagaa gagagaagaa gatgagagtg 360
 gggagcac 368

<210> 11688
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 11688

cattttaata agtgtagaa caaaaaatgt tcttataagt cacatgtata gtaatgttaa 60
 caaacttaac atacatatta gattgtaatt acatgatgat ataaaattat tttatactat 120
 taatatataa cctatTTTTT caaataaaat tatcatactt taatgtaatc aaatgattat 180
 tatgatgaga aaactaatat aaaataaccc tctttaatat gaaattaacc atttcactta 240
 caagaattga tattataata atatattatt atataacagt gaaataaaaat acaatattga 300
 aaaggtgata acaaaaaggt gtattcttaa atttggttaa aaaatataaa gtaaatcata 360
 ttcataaatt aattttaggt ctagacgatc ccatgatcac t 401

<210> 11689
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11689

ttgaactcct ccaacccttg acctgacttc ttggaaagcc ttttcacagc aaactcttgg 60
 ccattcctca gtcttccttg ctaaccaaatt tgtagaaat atttcogagtt atgaaaacaa 120
 acatttatag ttggttttcc atatcacctt gtacacaggt gcaaagccac cttcttccaa 180
 tatgttactc tcagtgaagt tntcagtggc tctttctatg atgggggaaat caaatgtgga 240
 caaatcaatg ccttcttttc tcagttttcg ttgaaatgg ttcctataaa ttattcttgc 300
 tacctctgat aggtttgaag ataacaatag agaactacta tgacactcac aatgtgcacg 360
 tatgattcat aaacctacta tcatatatta gatgttatca atatccaaga caaaaattac 420
 ctggctttct gagtat 436

<210> 11690
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11690

gcttgataac ctagccctat gcaaattggag ctttaggtga tcatgatttc catgtattat 60
 ggatttcagg ttatatcaaa tggatgtgaa gagcactttt ctcaatggat acattgaaga 120
 agagatatat gtagaccaac ctctatgttt tgtagacttc anacatctaa tcatgtgtac 180
 aagctgaaaa tggctcggtg ttgtttaaaa caagaaccta catcttggtt tgaaagaatg 240
 agcagatttc taattaagaa atcatttgta agaggtcaag ttgacacaac atttgttatc 300
 aagagatcaa ataatgagtg gttgattgtg catatttatg ttgaagacat aatcttt 357

<210> 11691
 <211> 490
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11691

tccatcaaga tgagtggagg gagagggaga gaaatagcat gatattatat gcctcaaagt 60
 aggtctgaac attgaagcat aattctcaaa tgatcaaagt tgaaaataat acacacatat 120
 gatctctatt tatagcctaa gtgtcacaca aaattagagg gaaatttgaa tttctattca 180
 aatnntactt gaattggaaa ttgaatttgt ggagccaaaa tttcactaat tatgattatt 240
 aaatttttagc tatgattcag cccacaaatt caagatcaag tccaagattc tccactaagt 300
 gtgcttaggt gtcatgaggc atgtatagca tgaaggacat gcacaaagtg tgactatatg 360
 atgtggcaat ggtgtgtagc aagcaaattgc tcacctnctc ctctaaaata taattggatt 420
 gngcttcttc caattaaaat aaattaattc ccaacacaca tcanatttca cttaatgatg 480
 cgaattataa 490

<210> 11692
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 11692

agcttgcttt gaaaatttcc ctcaccctat gccttacaaa ctacaatggg tgagtgagaa 60
 ttgggagtta gttgtaaata gacaagtttt gatatgcttc tccattggaa aatatgttga 120

tgagatattg tttgatgttg tccctatgga agctagccat cttttacttg gaagaccttg 180
 gcaatatgat agggatgttg tccataatgg ggtcacaaac aatttttcat ttgtacataa 240
 agggcaaaag gtttagcctta cacctttgtc tccaagtga gttgtaagga tcaaataaaa 300
 atgatagtga aaagagaaca agagagaaaa gaagagaaaa acaaaattga tgaaaagaga 360
 tagaaacatg aaataagcga aaagaaagaa aataatggag ataaagaa 408

<210> 11693
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11693

gatgatgcac tccatgagag ggtggatcaa atggagaaca gagatcataa tgaagaataa 60
 agaaggagaa gagggaatga tgggtgtcct agacaaaact gaattgatgg tattaaactc 120
 aacattcctc cctttaaagg aaagaatgat ccagaggcct acttggagtg ggagatgaaa 180
 atagagcatg tnttctcatg caacaactat gaggaggacc aaaatgtgaa gcttgccgcc 240
 acagagtttt ctgactatgc tcatgtgtgg tggaacaagc tacaaaaaga gagagcaaga 300
 aacgaagagc caattgttga tacatgggag gagatgaaaa ggatcatgat gaagcggat 360
 gtg 363

<210> 11694
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 11694

agctgtgagg attttcaaac gacaatatct ttttactcgg atgtctgatt aagtcccgtg 60
 atatatcgag acgctctaaa ttgaatgttg aagctctgac caaattcaaa cgacgataaa 120
 tttttactcg gatgtctgat tgagtcctgt tatatatcga gactctcgaa attaaatggt 180
 gaagctctaa gcaaattcaa acgacaataa ctttttactc ggatgtctga ttgagccccg 240
 taatacatcg agacgctcga aatttattgt tgaagctctc agcatattca aacgacaata 300
 acattttact cggatgtctg attgagctcc gtattacatc gagacgctca aaattgaatg 360
 ttgatgctct cagcaaattc aaacgacaat a 391

<210> 11695
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 11695

aaacagaaga acactaccaa aagacctgga agaaacagca atgtgacacc ccccaaaaca 60
 attgctatct ttgctccctc gctcattttc ctgtatgata gaacactagg tctctctgag 120
 actgttagtg gagacaatgt ggtattaggg gaaactgaag aacattgttt caaagggtgct 180
 ccacataaca tcaaattacc tctaaatgag gaggcacgga acttatggag acctgaagga 240
 atagagccat tcaagtagtt gaagctcaaa tccaaatcct taaggctagg aagggttaaca 300
 t 301

<210> 11696
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11696

ctaagctntc attactcctc atgcttctca ccatgtctaa taaggtttga tttcttcggt 60
 ctgccacacc attctgatct ggagaaccaa gcatagtgtg ttgtgcaaca atcccatggt 120
 cttgaagaaa tgtcgcaaat gaacctggtg cttgtgcatt ctctgtgtat ctacaatagt 180
 acttcccacc tctatctgat ctacgatct taatttggtt tccacactgt ttctcaactt 240
 cagcccttaa aactttaaag gcatctaaag cttctgatgt aatcctatcc cac 293

<210> 11697
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 11697

gagctttacc gagtgtctga aagcctcatc tatggttgag aaccactccc tatctccaca 60
 catgtgattg ctagcaccgg agtcaagaaa ccaagtctct tcttggtgca agttgtcagc 120
 ttcgacaaga gacatgaaca gcatctcttg ttcttcatga atctcagcat aggtagccct 180

ctccttccat cttgcgcatt cctattggaa gcgtcctaatt ttgtggcact taaagcactc 240
 cactgtgggt ttgattgaga ctgccttctt ctgcctctgc ctgcaccccg accaaagcct 300
 ctacctctgc ctgtacctcc attctgttct tcatgcgaga ctttcaatgc ttgctcatac 360
 cttgtgtacc accatgagaa tacattcttt gttcatgaac caaaaggct 409

<210> 11698
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 11698

tgaacaacgg aagctctcga gaaaatcgat ttggctttta ttctcacaca gatgtccgat 60
 tctgggagat aatatatcga gacgcacgat attgtacaac ggaagctctc gagagatttg 120
 aatggtcata acatctcact cggatgtgcg atccggggac atatattatc gagacgctcg 180
 atattgaaca acccgagctc tcgacaaatt ataatggtcg taacttttta cacgaatggt 240
 cgagttcggg acataactta tctagacgct cgaaattgaa caccgaagc tctcgacaaa 300
 ttggaatggc catacttctc aca 323

<210> 11699
 <211> 341
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11699

agcttaataa atctatatat ggtttagatc acgcctccca tcagtgggtac cttaagtttc 60
 atgggataat ttcttcattt gggtttgatg aaaaccccat ggatcaatgc atataccaca 120
 cggatcaatgg gagtaaaata tgttttcgta ttttatatgt agatgatatt ttacttgcag 180
 ccaatgatcg gagtttgcta catgaagtga aacaatttct ctctaacaan ttgacatga 240
 aggatatggg tgatatctta tgtcatcgac attagatttc atagagatag accttgaggt 300
 attttgggtc tatcatagga agcctatatt aacaaaattc t 341

<210> 11700
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 11700

agcttcattc ctttttcact catgtgtcca agtctttgat gccacaaggt taaattattg 60
acagcctgaa taactgctat catatcctca tctgcaatta tgtaaagaga tcctcgcttc 120
tttccacgag ccataacgag attgcctttt gttaccttcc aagttccatc tccaaaagtg 180
gtgtaatgcc cctcatcatc caactgccct atagatatta gatttctctt taagacagga 240
atatgtctga cattgtgcaa tgtccatagg aatccattgg aggtcttaat gtcaatatca 300
cctcttccaa caatgtcaag agattttcca tctgcaaggt aaactttccc aaatcttcca 360
gaagtatagt tagacaataa atctttagag ggagtggtgt gaaacgacc 409

<210> 11701

<211> 387

<212> DNA

<213> Glycine max

<400> 11701

gcttggagtt tcaagtgcc aatcgtcttc ttcttttgtc cagtcttctt ctggcttcaa 60
ttcattagtg ggctttcctt ctgtgtccag catcttgtga tgttcccagc ctttgatgat 120
agctttccag gttctgctat ccaactgatt gaggaaggcc accatccttg ctttccagta 180
ttcatagttg gttccatcca gaattggtgg tctgttcaact ggtcctcctt ctttctccat 240
gttcatcaga atttatctcc ctagatctca ctcactgagt tcgagtgcc gctctgatac 300
caatagaaat tctgatacca atgccagatg tcgtacagga tgtcaogaca tcacgcttca 360
gaacatgcat attatgtttg agagtat 387

<210> 11702

<211> 338

<212> DNA

<213> Glycine max

<400> 11702

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatattctaa gaaggggggg ggttgaatta agatattcca tactctttct tctaattaaa 120
aatctatctt actttttact taagttatga attcccttaa tgacaatctt cttaaattatt 180
aattcatatg aaccaacttg aatatgaata taacgcaata ataaataaag gagattaacg 240

gaagagaaca tgcaaactca gttttatact gcttccgcca cacccttggtg cctacgtcca 300
gtccccaagc aaccgcgttg agagttccac taacttgt 338

<210> 11703
<211> 412
<212> DNA
<213> Glycine max

<400> 11703

agcttttaggg catatgaaa acttatttat tgtcttggtt ggttgtaaga aaggaaaggg 60
aagaagtga attgaattag agagagaaaa taaaagtagg ataaatatac aagaatataa 120
tgaagtaacg gaaaatactt aaataaaatt ttttggtaaa aaaaaaagga agagaaatta 180
atattaaaga aatgacttat ttattaggat tagtatttac tatttgctat tagtattggt 240
ttaaataatc ttagtatata tagaattcat tttatgtaca agacatttgt ttgttccaat 300
acctacacaa tagttatacc ctatcatatt aaatttatcc attgtcagcc taccattaga 360
ttagactac catattaaag ttataagttc ttaaataataa cttactaata ct 412

<210> 11704
<211> 405
<212> DNA
<213> Glycine max

<400> 11704

agcttaaaaa aaacaaaact ctgacttagt agtgcgtatg gtatctttac acacaattaa 60
ttcagagaaa tgaagcagct ccaagacctt accactagaa tagaaataat caggcagctg 120
gaaagccttt gcaagccaat ccagaacaat cgtctcaagt tcagttgcag caggagaagt 180
tatccagctg aaaccacga tgtaagacc cgcactgagc atctctccta gaaaccacgc 240
aatgctactg ttggaaggaa aatacgcaaa ataatttggg ctttgccagt gcgtcacccc 300
tggcagtatt ttttctgca catctacaat atggcaaaca ctatcaagct agcattgctc 360
aaacaactct acaaactaca agataacgaa actgcaacta ctaca 405

<210> 11705
<211> 395
<212> DNA
<213> Glycine max

<400> 11705

agcttggatt tccttttagt agggaatcta tccttcctaa gatggagcca aaccagtc 60

ccctcattaa gaactagctc ttttcttccct ctattgcctt tagttgaata cacctttggt 120

tggttctcta tttggttctt aaccctctca tgcaacttct ttacaaactc tgacctagat 180

tcccccttctt tatgtatata agaagtgtcc agtgggaggg gaatgaggtc taatgggtgt 240

aggggattaa acccatagac aacctctaaa ggggactgct tcgtggttct atgaaccccc 300

tgtttagga aaattctaca tgagaaagat actcatccca agacttatgg ttgcctttca 360

gaagagccct taaaagggtg cataaagacc tatte 395

<210> 11706

<211> 380

<212> DNA

<213> Glycine max

<400> 11706

agcttgcaaa caagctgctt gttgtaatct tcaaagcccg gtgggtgagt catgaagact 60

tcctcctgaa ggatgccatt gaggaaggca ttattcacat caagctgctg gagtttccac 120

ttatgagtaa tagcaagagt cagaagaatt ctgacagtaa caagcttgat tatagggtgag 180

aaggtctcat tgtaatcata cccaagtctt tgatgaaagc ctttgacaac aaacctgact 240

ttatatattgt taactggacg atcagggttt tcattgacct tgaagaccca ttgcaacca 300

atgggagacc tgtatggagg taaaaagtgg catgaagctt ttcccaaaga tgccatgtcg 360

ttttgtcttc tactatatga 380

<210> 11707

<211> 374

<212> DNA

<213> Glycine max

<400> 11707

gtctggcaac ctagtaactc agcttgtcat ttatcacaaa tctgcatctg cacctgttgc 60

aagagtctgt ggtctatggt cttctgcaga tcaccatata gatctttgtc tttctttgca 120

gctatctgga gtcaatgaac aacctgaagt ctatgttgca aacatttata atagaccccc 180

tcagcaacaa aaccaacaac aacagactaa ttatgatctt tcaagcgaca gatacaatcc 240

aagttggagg aatcatccaa atctgagatg ggcaagtcct ccacaacaac aacagctggt 300
 cccttctttc cagaatggtg ctggtccaag aaagccatat gttgctctc caatgcagca 360
 acaacaaaga caac 374

<210> 11708
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11708

agctttacta tgcaagggtt attctatgaa aattccttca tctaacttag catcaaactt 60
 tcctaagttt tcttttccat tgtttaatac aaagcatttg caaccaaaaa catgaagggtg 120
 tgaaatgtta ggttttctac catgaaacaa ttcatatgga gttttcttta aaatgggtct 180
 tattaagacc ctattcatga tatagcatgc aatattaacg gcttcagccc aaaatttttt 240
 tgaaagagga gtgtcattta ataaggttct agcaatttct tccaaagatc tatttttctt 300
 ttcaacaact ccattttgtt gaggggttct aggtgcacaa aagttatgtt caatgccatg 360
 tttatcacan aataattcaa attctttatt ttcaaattca ccccatga 409

<210> 11709
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11709

aacatcagac cacttccatg gtgttgatc tacttcacaa ggacttgatg gggcctatgc 60
 atgttgaaag ccttggagga aagaggtagc cctatgtcgg tgtggatgag ccctccatac 120
 ttacctgtgt caacttatat caaagaaaca tccgactccc ttgaaggatt caaagagttg 180
 agtctaagac ttcaaagaca aaaagactgt gttatcaaga gaatctggag tgacctggc 240
 agagagtttg aaaacaacaa gtttactgaa ttctgcacat ctgaaggcat cactcatgag 300
 ttctctgtca ccattacacc acaacaaaat ggcatagtng aaaggaaaaa caggac 356

<210> 11710
 <211> 359

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11710

acactctcat ctcattgatg gaattattcat atncattact cactacatgc aatatctgca 60
tgcagcacgc ttagttatca caccttcttt ccctaggtct tcttaaagta gtacaagttg 120
gtaattcttc acatcattac tccaacagtt cattgnggct tcaatgggca cttcaaactc 180
taagaatccc ttaccaagct gtggtcaaaa tctgttcctt ccaaagcatg ttgtgttatt 240
gctgagtttc ttcctggggg aacattgaaa caatacttgt ctaataatag gcagaacaaa 300
ctttcatata aggttgtgat tcagctggct ttatacctct ctagaagggtg agtcacatt 359

<210> 11711
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11711

tgagtcaacg gagcggctat ctgagcatta attttgacga aacggcggta gaacccggtt 60
aggccaaga aaccgcgtag ggccttagtt gttgtcggag gcggccagtg gagcatagct 120
tgtatcttat aagaatcggg ctgcacacct cgacgtgaaa caaatggcc caagtattca 180
atccttcgtt gaccaaagat acacttgaa gctntcaaac ggaaatcagc ttgttgcaga 240
gtacgcagga cgcaatccaa atggttgacg tgggattgga ggtcactgct atatactaaa 300
atgtcat 307

<210> 11712
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11712

atattctcaa cagtcacatg tttgtacttg gttcttgaat ggccatcaaa agcttatata 60
tatgtgactt gagacacgaa tttgctaaga gattntcaga aaaaaagggt cttatcctct 120
taaaaagcaa aatcgttnta tcctcttaca aattccttgg ctaaaacact tgtgattcag 180

taaggaatta tntgagtgct caaattgttc aatctatctc tttcaagaga gattttcttct 240
 tttcttcttc ttcattctga anagggatta agagaccgag ggtctctttg tgtgaaagaa 300
 ttctaaacac 310

<210> 11713
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11713

cagctcgaga ataagcttct tcgctngaa gaatgngatc tgcattgcatt atatacacat 60
 aagtctcatt cttcaacgcc agaaacacgt aaccacgtg tcttttgcatt gggccactt 120
 gtttctaacg gtggaggtga acatgataat gatgatagtg gttgcatgag ttggctcgac 180
 tcgcaaccga gtcgaaccgt tgtgttttta agccttgaa gctacggaag gttctcgaag 240
 agtcagataa gggagatagc gttagggta gagaggagtg gacaaagggtt tttgtgggtt 300
 atgaggaacc catatgagaa gaagtgaa 328

<210> 11714
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11714

tctacttcaa aaacccttga actacttcac attgatttat tntgtccctc tagaactata 60
 agtttaggtg aaaattacta tggctntgta atagtagatg attactcaat gttcacatgg 120
 gctntatattt tgaaaaccaa aatgaagctt tngatgcttt tcgcanactt gccaatgga 180
 ttcanaatga aaaagggtctt aacattgttt cacttagaag tgatcataga ggtgaatttc 240
 anaatgagtt ctttgaaatc tttttgaaga aatgtaatta ccataatatt tctgaccaa 300
 acacctaaca gaatgggttt ggaaggaaaa taat 334

<210> 11715
 <211> 516
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11715

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gctgcctgcc ctgattattg agggactcat ggcactatga attatatatt tcttgtgata 60
aaggtagngt tgccatgttt tcaaagcccg tactaaggca tacaactcct tatcataagt 120
tgaatagtta agggtaggac cacttaactt ttcactaaaa taagcaattg gatggccttc 180
ttgcatcaac acagcccca tcccaacatt tgaagcatca cactcaattt caaaagattn 240
ttgaaagttt ggcaacgcaa gtatgggtgc attagtttagc tnttccttaa gaacattgaa 300
agcttcttct tgtttctctc cccatttgaa accagcattt ntcttgagca cttcattgag 360
agggtgctgcc aatgtgctaa aatccttcac anattgtcta taanaactng ctaagccatg 420
anaactcttc acctcgggtca cggacttang tgtangccat tcttgaatag cccctaacct 480
tctctcatca actngcactc cttttgaact cacaac 516

```

<210> 11716
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11716

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gctctcatat gttatgcgtc tgaatcggac atgcgagcga canattttga tcatttttat 60
ttgccgagag ccttcggtga tcaatatcta gcatatcgat acgctatgtg cctgaatcgg 120
acatgcgagt gaaaagctat gaccattaga atttctcgag agcttacggt gtacaatnta 180
tagcgtgtcg atacgctatg cgcctgcac gaacatgcga gtgagaagat atgagcatta 240
tactttctcg agagagtgcc gctgggtcaat tcttagcgtc tcgatatgct atgtgcccg 300
atcggacatg cgcgatganaa gtatgaccat gtaaatntct cgagagcacc tgatgatcat 360
gtctagcgtc tcatactcta tgcgcctgaa tcg 393

```

<210> 11717
 <211> 297
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11717

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tagcctgtcg acatattatg cgccagaata gaacatccgt gtgaaaagat aagaccattt 60

```

gaattttctca agaacttccg ttgttcaatt tcgagcttct tgacatatta tgtgcccga 120
 tcggatatcc gtgtgaanaa gtatgacact ctgaattcgc gatagttccg atgttaattc 180
 gagcgttcga tatatatacc ctgatcggca tccggtgaaa gtatgacctt gaattcacag 240
 agcttcgtgt gattacgagc gtgtcattgt gatccctgat cgactccggt gaaagta 297

<210> 11718
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11718

aaccattata tttatggctt ttgattgtga tgaatgataa tataaataag ttgagtcttt 60
 gtttaccaat ggttaacaag ttggtgcacc ccagcatcat tggagcaaac atgggccttg 120
 gcaagctgcc acatccaatt agtagtagca tcaacaggag gtgtaaccac gcgctntgac 180
 cggaattag gtccagcatg agggaggcta agttctatag ccacaggctt gagagtgcc 240
 cgtggtgtca agaaaaagat ggtgcgtgtg gcatatgatt tcctaccatc aagggcattg 300
 atcccttcta agaaaggtag atatatatca tgataatcaa tcataaacag c 351

<210> 11719
 <211> 333
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11719

agtgagctgc ccagtgagta taatgttagt tccaccttca atgtctctga tttatctctt 60
 tttgatgcag atggagaatc cgatttgagg acaaatcctt ctcaagaggg agagaatgat 120
 gaggacatgt tcaagaacaa nggcaaggat ccacttgaag gacttgagg acctatgaca 180
 agggctagag caaggaaagc caaggaagct cttcaacaag tgttgatccat actatttgaa 240
 tacaagccca agtttcaagg agaaaagtcc aaggggtgtga gttgtatcat ggcccanatg 300
 gaggagaact aaatgacacc actctgtctc aat 333

<210> 11720
 <211> 288

<212> DNA
<213> Glycine max

<400> 11720

gacaagaagt ttaatgagtg tatgagcaac tcaggattca acagatgtga catggaccat 60
tgctgctatg ttaagaaata tactaatagt tatgttatcc ttgtcgtgta tgttgatgac 120
atgttgattg caggatctag tatggcagaa attaacaagt tgaagcagca gttggcagaa 180
aactttgaaa tgaaggatct tgggtccagct aaacaaatcc ttggtatgag aattccttaga 240
aacagatcag aaggaatddd gaagctgtct caggagaaat atatacac 288

<210> 11721
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11721

ctttcttgat gataatggtt actagactta ctctttgctc tatctgtccc aagtgagatt 60
cgaatacgag aattccatga gagtcttggt ttgaagtcac catctgagtg gagtgcacac 120
tacaatgatt actgtagtac tcatagatnt agaagccttt gatcatgctc tgaacaatat 180
ccaacaagct caacaacatt ngcatgccgt attctgtcaa tattatntat caattcaata 240
aattcatcat ccttctggtg tgcagaggct ctcttgccca acttgtctgc ataacaaata 300
ccatcttcaa taactaaagc taaaaataa ctatatattc ttcanaatca aatntctgat 360
gtgatcaaga tcagtaaata acaacaatag aagaaacttc anactaggaa taaacacttc 420
aatntctca atagtcacag 440

<210> 11722
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11722

tttttcaggg tgtgtttact ggtaaagtgt ggacaagttt agaccatggg gtagtggttg 60
ttggatatgg ctctgaaaat ggtgtggatt actggctggg gaggaattca tggngcactg 120
gatggngtga ggatggctat ttcaagatgc agcgcaacgt gagaacctcc acgggcaagt 180

gtggaattac aatggaggcc tcctaccctg tgaagaatgg tctaaactct gcagttccta 240
 attcagttta tgaaagcact ganggtgtat gtagcagtgc ttgatataac cttcatcgnt 300
 atttatgacc ttcgaatttg gaaagaggaa cacgtgctga agtngcaaga aagtgatgtt 360
 tctgtatatc tt 372

<210> 11723
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11723

atttcggggtt cctgtaactn tccaaataat gtagcaaaag acatgttagt taaatctcgt 60
 gactcggtaa tggatgttac cttangttgt cattctctgc ttaaaccatct caataactcta 120
 tttatgtgat cttcanttgg aanaaatatc cctaaagatg caagatgaat tattatatgt 180
 gtaaaccctct cttgcatgtc ttgtatactt tcatttgaat tcattctaaa taattcatac 240
 tcatgagtta aagtatntat cctagatctt cttacatttg ttgtgccctc atgtgttact 300
 tgtaggggtat cccacatttc ttttgcactn ttataatttg ataccctana gtacttatcc 360
 attcctaagg cagaatgtaa tatatnnttt agctttaagt tgtatggact aatctctttc 420
 ttcttcactc attcttc 437

<210> 11724
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11724

tgaatatgat gtagaagaaa gtgaatgtga accttttacc cctttgaaag acttgtattt 60
 aaaaatgttt taaaataactt ttaattaata tataaagtat tattccttta ttagtatata 120
 tgtgaggggc tgagagtgtc acaataacaa gggagctatt actaagaatt aataaaggac 180
 cacaaaatnt gaatgataaa caatacagca tgtttaaaaa atttaataata ctattattat 240
 attcttatct aatatttaag aatattacta taatctacac ccatgcatta agtataaagt 300
 aagtttatat tattattcac tcatatatca tcattnaata taattttaag ataaatatta 360

gtagtattat agatgaataa ataatattga atgaagttta aaattgatta cactgtatta 420
tataacttata ttttattaat acaaacatac tttta 454

<210> 11725
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11725

gatcaggaga agacggcctt cacatgccct tttggcgtct ntgcttacag acgaatgtca 60
ttagggttat gtaatgcact tgccacattt cagaggtgca tgttggccat tntttagat 120
atggtggaga aaattatcaa cgtattcatg gatgagttct tgatanttgg gaaagtgtca 180
tttcatgggt cgagaaggca tagtcttggg ccacaaactn tcagcccagag gaattgaggt 240
agacctggcc aagaatgatg tcattgagaa a 271

<210> 11726
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11726

atttttatta aagatctttg aatggtgttaa aanattatga ctatgagtgt aagtttttgg 60
tacatgtcaa ttcattagtc tttgagttag aaatttattg atttccaccc tgtgcgaact 120
cagcatttgt tataaaatgt ttaaaattca aagagaaagc atctgttttt attttttatt 180
aaatttgctt cacaaccctt tgcaaactca gcaggttgca aaccaanatg cattcatgtg 240
atatagtga atccaacaac aacaacatcc cgtaaagttc aaaaagctag gcacagtca 299

<210> 11727
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11727

gtcctcggca agctcatcgt cgctgctctt cgtaagggaa tgtacatgtg gctncaactn 60

gattctcttc cttttccttc cttccaattc ggtcctctct ctctccttaa accctagcta 120
 gcttctctgt tntctctttc tcttttaact ccaaatatgc aacttatgag tttctacttc 180
 tatctgtctc angtatggct ggtgctatat acattaaagg agctgcagta acaaactata 240
 aaaggtgagg catattatgt gctatgaata actaatacta tctattatac tga 293

<210> 11728
 <211> 268
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11728

gcttctgtgg gacatcttga cttgctntcc aatctgacat tcacccatata ttctgccttc 60
 ttctattttc agattgggaa tgctctaac agcacctatg tcaatgatnt tcttcatgcc 120
 tcttaagtgc agatgtccta atctgtgatg ccataatttg acttcatctt ctttgagaaa 180
 tagacatgtg gaggagtaac tggtttcttg aggtgtccat aggtagcagt tgccttttga 240
 tctgctgccc ttcattagaa cttcactc 268

<210> 11729
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11729

gtgtggtggt cggcagagga gcataaacca cagagtctgg caacaagtgc aaatttttga 60
 ttcattggcca gttgagttac cagggttaacc aaggcatcta gtttaacctt aagcttctta 120
 gtctcacctg atgaagatga attcgtggct actttatgca ctgctctaata gacaatagca 180
 tcaactctgg cactaaattg ctggtagttt gaagccatct tctcaattaa atttctggct 240
 tcagcagggg tcatgtctcc aagagctcca cactggcag catctatcat actcctctcc 300
 atgttattga gtccttcata aaaatattgg aggagaagct gctcanaaat ctagtgggtga 360
 gggcaactgg cacatagttt cttatatctc ttccagtatt catacaagct ctctccactg 420

<210> 11730
 <211> 489
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11730

atattcatta tgtatcatat atatcaataa aggtgattat tattactatt gttattggtg 60
tcttatttgt atattattta ttttttaa at ttaattaatg ttgtacgtaa cgtaaaaata 120
attatgaaac aacttaagt gaacctgttn tatcatctat aataaggttt tggtatctca 180
aaccatgata gcanaatgag gaagacatac acctacggcc aattgactct aaacctcatg 240
aaagactata ccatatataa aagagaggat aaagattcat ctgcttcatg ttgtttatnt 300
tttattcttc attnttaatt atgataataa taatgagggt agttcatatt ttcaataaac 360
attacaatgt ttgagacaa gaaatacaca atttacatca atattatatg ttattgataa 420
tataaacata aatgtattct caccttctaa cttacaaatg ttattaatgt ggggtttatat 480
gaactctgc 489

<210> 11731

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11731

cgacaataac tntntactcg gatgtttgat attgtcccgat gatataacga gacgctcgan 60
attgaatgtt gaagctctga gctaattcaa acgacaataa ctntntactc ggatgtctga 120
ttgagtcctg tcatatatcg agacgctcga aattgaatgt tgaagctctg agccaattca 180
aacgacaata actttttaca cggatgtctg attgagtccc gtcatatatc gagacgctcg 240
aaattgaatg ttgaatctct gagccaattc aaacgacaat aactntntac tcggatgtct 300
gattgagtc cgtaatatat cgagacgctc agaaatgaat gttgaagctc tgaggaaatt 360
caaacgacaa taactntnta ctcgatgtc tggatgagtc ctgtcatata tcgagacgct 420
cganattgaa tg 432

<210> 11732

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11732

gcttaacatt caatgtcgag catctctata tattactgga ctcaatcaga catccgtgta 60
aaaagttggt gttgtttgaa ttagctcaga gcttcaacat tcaattntga gcgtctcgat 120
gtatgacggg actcaatcat acatccgagt aaaaagttat tgctgtttga atttgctcag 180
agcttccaca ttaattatg agcgtctcga tatattacga gactctatca gacatctgag 240
taaaaccggt attgccgttc gaatttgctc agagggtcaa cattcaattt cgagcgtctt 300
gatatatgac tggactcaat cagacattcg agtgataaag tattggcgtt t 351

<210> 11733
<211> 513
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11733

atgctgcana catctacaac agaacaatta tgacctctct agcatcaggt acaatcccgg 60
gtggaggaat catcccaacc ttagatgggc gaatccttca caacaacagc aacaacaacc 120
ttattttcaa aatgctgttg gcccaagcag accatgcgtt cctccactaa tctagcagca 180
acaacagcaa cagcaacagc ccaaaaaata acaaatagtt gaggccctc cgcaaccttc 240
ccttgaagaa cttgtgagga aaatggctat gcaaacatg cagtntcaac aagagactag 300
agcctccatt cagagcttaa ccaatcagat ggaacaattg gctacacagt taaatcaaca 360
acagtcccag aattctgaca gattaccttc tcaatctatc cagaatccca naaatgtgag 420
tgacatttca ttgaggtcgg gaaaatagtg tcaaggacct caaccagtag catcttcttc 480
atccacaaat gaacctgccc aacctcactc tac 513

<210> 11734
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11734

tacaagacct gatgaactga tattcaatgg attntctctt tcaataccaa gtggcactac 60
cgcagctntg gtaggacaaa gtgggagtg gaaatccacg ggtgttagtt tgatagagag 120

aatttatgat ccacagtctg gtgcagtgct tattgatggt atcaacctca gagaatttca 180
 actgatatgg atcagacaga aaattggcct agtcagccag gaaccagttc tctttacttg 240
 tagcattaaa gagaatattg cctatggcaa ggatgggtgca actgatgaag aaatc 295

<210> 11735
 <211> 262
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11735

tggtcataac gtntcactcg gatgtcggat tctagcgcac aatataatcga gacgctcgaa 60
 attgaataat ggaagctatt gagcaattcc aatggtcata actcttaact cggaagtcg 120
 attgaggcac ataatatatt gagacgctcg aaatggaaca acggaagctc tcgagaaatn 180
 caaatggtca taacttttaa ctcggaggtc ggatagagac gcataatata tcgagacgct 240
 cgaaaatgaa caatggaagc tc 262

<210> 11736
 <211> 494
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11736

tacgagcgtc tccatatatt atctgtcctc aatccgacat cggagtaaaa agttatggtc 60
 gttagaatct gctcagagct tctgttctga atnntgagag tctcgatata ctacggaaca 120
 caatcgga tctcagtaaa aagttatggt cgtttggaat tgctcagagc ttctgttctt 180
 aattacgaga gtctcganta tatacgggat tcattcggac atccaagtaa aaagttattg 240
 ccgtnntgaa ttgctcaaag cattcgttgt caattacgag cgtctagata tattacggga 300
 ttcattcggga catccgagta aaaagttatt ggtcttttat tttgctcaga gcttctgttt 360
 tcaatttcga gcatcttgat atattacagg actcaatcgg acatccgagt canaagttat 420
 tgtcgtttga atatgctatg agctntcggg ttccattacg agcatctcaa tatgctacgg 480
 gacacaattg gaca 494

<210> 11737
 <211> 257
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11737

gacaatgctt acaaagtaga gctgtccggt gagtataatg ttagttccac cttcaatgtc 60
 tttgatttac ctctttctga tgcacatgta gaatccgatt tgaggacaaa ttcttctcaa 120
 gagggagaga atgatgagga catgaccaag agcattggca aggatccact tgaaggactc 180
 ggaggaccta tgacangggc tagagcacgg aaagccaagg aagctcttca acaagtgtg 240
 tccatactat gtgaata 257

<210> 11738
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11738

aaagcattca agtgtacacc agaggcagag acaacatttg ttcaattgca gaaagtcattg 60
 acttcagctc cagtgttagc tcttcctaatt ttccagctgc ccttcattct ggaaactaat 120
 gcttccgaca ctagtattgg agcagtatta catcagaatg gccatccaat agcataattt 180
 tccaagaaac ttgcacctag agtgcanaag aaaatctgac taattagaga gatgttagca 240
 attgttgaag ctatagctaa gttcagacac tacttgctgg gacacanaat tattatcaaa 300
 actgataaaa naagctngag aatcattgat ggaacaaccc tacagacacc tgaacaacag 360
 cagtggttac acag 374

<210> 11739
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 11739

cccaactggc cttgaatcag aaaattgtac ctgtcgcaag gggttgtggt ttgtgctcct 60
 ctgctgacca ccatacagac ctttgccctt ccatgcagca acctggagca attgagcaac 120
 ctgaagctta tgctgcaaat atttacaata gacctctca acctcagcag caaatcaac 180

cacagcagag caattatgac ctctccagca acagatacaa tcctggatgg aggaatcacc 240
 ctaacctcag atggtccagc cctcagcaac aacaacagca gcctgctcat tccttccaaa 300
 atgctgctgg cccaagcaga ccatacatc ctccaccaat ccaacaacag caacaacccc 360
 agaaatagcc aacag 375

<210> 11740
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11740

ctgcacaagc caaatgagat agttgaatac ctgcacagtt gngatgaaat tntaaattgg 60
 catcatcctt gaggctgctc atatctctgg aaaagtactc caaacaagt acaaacagat 120
 caggggagag aggatcccct tgtctaagac ctgctgccc tttgaagtgg ccataaatgg 180
 atccattgac tgtcacacta aagaaagtga aagaaacaca ttccatgac caagtacaga 240
 actgtgcggn gaagccaatg gacttaagca tccaatcaa gaattcccag gaaatggaat 300
 cataagcttt atgcaagtca attt 324

<210> 11741
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11741

agatcatgca tacctttcta tggctaatat accattatnt tcacaattat cataacttcaa 60
 gtagccaact ccctagaatt tataagagat cagtccgtga acaacagtga ctcttcggtt 120
 cacagaacaa taaatcaaaa tacataccac tattotaatc aaaagactta taagagaagt 180
 tgtttcaacc aatcaaatc aataacaatt cacaactctt ctacaacaga atgaaaatga 240
 ataaataaaa gaatcttata tatcatgctg tgctntcag ctcttcttat cccaacatat 300
 taatagagga naaccagaa acat 324

<210> 11742
 <211> 470

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11742

agcttaagct ccttcaactg cacaaggctc ttaatatattg aagagtattc ttgtggaacc 60
ttcacccgac gaagacactg gcaaaaactt atcttctcct tcttggacaa agtgtggcag 120
gctgtgggca agtaaattat cttcccatca gaccttggat gcaactgtgc tcttataccc 180
atatcagcta gatcttgacg ggtattcaag ccatcattcg tcttgccttg aatgttaagg 240
agcgtcccaa tcacactgtc acaaacantt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360
caactctgac tnttatcctt cttttgggtc tgtccaaata cagtgttcag gtgttgaacc 420
cgctgatata cctgctcacc agtgaacatt atcggcgcaa tatcatgctc 470

<210> 11743
<211> 473
<212> DNA
<213> Glycine max

<400> 11743

agcttcctta agaagattac taaagattct agagcttata tacacatacc tctctaatag 60
ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tatgataggt 120
gagctcacc ccatgacaaa aaacatgaga ataataaaaa aaaagtgtt attacaaaga 180
caactcataa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggccaaaata 240
caaggtctag acgaaggaaa aacctattct aatatttaca aagataagcg ggctcact 300
tagcccatgg gctcgaaatc taccctaagg ctcatgagaa cctagggcc tttccttggg 360
tctctagccc aatctacttg gagtcttcta gccaatgcta ttgcggggta ggatagcatc 420
attcctcca ccttggaag gaattgacct cacatccga ggttcttcat act 473

<210> 11744
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11744

ctaagctcct taaaagatcc taagaagctg agatagctac cataacttttt aatagctaag 60
ctcatctcct tgagatgaaa agctagagct tagctacaca cccnctataa tagctaagct 120
caccncatg acaaaanaaaa aacatganaa tacaaaaaaa atagtcctta ctacaaagac 180
tactcaaaat gccccgaaat acaaggctaa aaccctatac tactagaatg gccaaaatac 240
aaggcacaaa cgaaggaaaa acctattcta atatttacia agataagcgg gctcatactt 300
agcccatgga ctcaaaatat accctaaggc tcatgagaac cctanggcct tcccttggat 360
ctctagccca atctacttgg agtcttctac ccaatgcctt tgcgggatag gattgcatca 420
ttccctccac cttggaaagg atttgacctc aaatcccag gttcttcata ctctggggct 480
cttctcaac acctgaaaaa gaacaaaaca tatatat 517

<210> 11745
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11745

agcntgagac ttatcatgac caaatctctg gtatatcgcc tctaccttaa gcaagcattg 60
tattcattta agatgctaga aaatataacg gtagaagaat agtcagatgt ctntaataaa 120
ttgattcttg atcttgaaaa cattgatgtt actattaagg atgaagatca ggcattactg 180
ttattgtgtg ctctacctaa gaccttngct catttcanag aaacacttct ctatgaaaga 240
gattctctta ctcttggtga agtccaatca gccttgaact ctaaggaatt aaacgaaaga 300
aatgaacaaa ggccttctgt acatggngat ggactcatag ttcgtggaag acagtataag 360
aaggatgata agacaaaagg gaaaagatcc aagtcacaaa ctcgatctgg atctaataa 420
ccagacatta gatgttatca c 441

<210> 11746
<211> 454
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11746

ctcagctatg ctgatacatc tacatagacc tcctcaacct gagcagcatt atcagccaca 60

acagaacaat tatgacctct ccagcaacag gtacaatccc aagtggagga atcatcccaa 120
 ccttagatgg ttgaatcctt cacaacaaca gcaacaacaa caacaacctt attnttagaa 180
 tgttgctggc ccaagcagac catacgttcc tccaccaatc cagcaacaac aacaacaaca 240
 acaacaaccc cagatacaac aaacaattga ggctcctcag caaccttccc ttgaagaact 300
 tgtgaggcaa atgactatgc acaacatgca gtttcaacaa gagaccagag cctccattca 360
 gagcttaact aatcatatgg gacaattggc tacacagcta aatcaacaac agtcccagaa 420
 ttatgacaga ataccttctc aatctatcta gaat 454

<210> 11747

<211> 492

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11747

gcttataatg ttaagctttg tcttatgttg ttcattgctgc tccccttctc tctatcacat 60
 ttctcttaaa ctgatttagc tcttcatgca ttgccatcaa ccagtgttca ttacacaaag 120
 cttcatcaat gtttcttggc tcaacctgag aaacaaaatc catgttttta cacaaaatcc 180
 tgagtctaga acgagtagag acacctntg atatttctcc tattatgtta tccaaagaga 240
 ggtctttctg agttctccat tctctaggaa attctttagg cgttctactt gagatctctn 300
 tgctttcttc aagttcttta gaattgatat catcttcaag agcataatca ttntcctgaa 360
 aagcttcacg ttcttattct annaaaatat cttgaacaat agagttaatt tcatcacata 420
 ctacatgaac atattcttcc acacttagag ttatcctatt aaatactcta tatgctntac 480
 tattcaatga at 492

<210> 11748

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11748

agcttaatan gtccatctat ggattgttat atgccttctc gccagtggta ttaaaattat 60
 catgaggcca tttcttcatt cagctatgaa gagaatgtca tggatcactg tatataccac 120

aaggtcagtg ggagtaagat ttgtttcctt gtattatata tagatgatat tcttcttgcg 180
 actaatgata aggggatgct atatgagggtg aaacaatnta tctcaaagaa ctttgatatg 240
 aatgatatgg gagaagcatc ttatgtcata ggcataataa tccatagaga aagatctcga 300
 ggcatttacg cttgtctcaa gaaacctata tcaacaaaat tttatagaga attaatatga 360
 aagatngttc accaagtgta tct 383

<210> 11749
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11749

gccgtgagaa acatggtggt tcaactgtga aattgaatgt gaaatgggcc tctgatgtgt 60
 atgacccctat acctacatta ttatcacaca ctggttagaag caacaagaag cagcagaaat 120
 ccaggaagaa gaagcctgac tagaagaatg gaaagaaggg tcataaggga aattcatctc 180
 gagggggcag caacaaagat aagcagggtc gcaagctagg tgggacttct ggtttgtgct 240
 acaagtcaat ggattcttgt gataaagtgc ttggagcttc tactgaatta gatgctcttg 300
 aagttcgaag ccaggattca tactgtgtga actagcttcc tgaaanatag ttactgaagt 360
 cactacttcg gtgagaacac tatgatgaat actctgaatg ctttctattt cctgatgaca 420
 t 421

<210> 11750
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11750

gaccctccta ttctaagcag agattcactc tacccttcca ctgaaacccc attacacata 60
 gcctccttgc ttggacattt agagttttgt cagattcttc ttcagaatag tccaattta 120
 gccactgaat tggactcaaa agggcggttg tctcttcac ttggctcagc taaagggcac 180
 actgaaatcg tgaaagcgct attgaggaca taaccagaaa tgagtatggt gcgcgacana 240
 gatgcgatgc ttccattcca tattgctgca attagagggc gcgtgggagc catcaaagag 300

ttgatcgaag agaagccaaa ctocattcaa gagatgatag anagtgatga tgggtctgtt 360
ctgcacttgt gcgntcgcta taaccatctc caggctctga att 403

<210> 11751
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11751

gtcgtcattg taagacaaaag agactatggt gtgcactngt gtgatcgaaa gagatggttg 60
agatgtcaca gaagcgggta taaaagggct tcctcttgag agaaagaacc ttaggttgga 120
ggaggggaatg tccaaagtga cactgaggtc actgtatgat gagatttcac gggttatgct 180
gattgagtgt gttngagtgg aagagattgt gatatctggc acaaaagatt ggacataagt 240
gctgtggtga agaggagaag agggatgac gctgatagtg aagagttcga tgttttgacg 300
aggtaagggt gaatgtactc atctngagac ccgtttggaa taacaaagt 349

<210> 11752
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11752

taattaatat tcgaattttc attcctttat taatatatat gtgaggggta gaggggtgtca 60
catgtggatg caaagagaaa tttgtggaac ttgataagaa ggtgaaagga aatgtttctt 120
ttggagattc ttccaagggtg caaatccaag gaaaaggtag cattttaatt tctttaaaag 180
atggtgctca caaattaatc acggatgttt actatgttcc taaactaaaa agcaatattt 240
tgagtttggg acaacttggt gaaaaggggt atgaaattca tatgaaagat tgttgtttat 300
ggcttcgaga taaaaattct aattngattg ccaagggtgt tatgtcaaga aatagaatgt 360
tcactttgaa cattataacc aatgaagcac aatgtttgaa ggctagcata aaagatgaat 420
catg 424

<210> 11753
<211> 383

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11753

gtatgagaat aagttcctga gtggatattt gatgcaatcc tcccatggag ggngcccatc 60
 accagagtca tggttaagag actccaggaa gattgtgcca gggatgcaag agaatgcctt 120
 anggttctca tgagccttag ggtagctntt gggcccatgg gttaagtatg tgcccactta 180
 tctttgttca tattagatta tggtttcatt attttttttg gccttgattt anggcaccac 240
 agtgtagggg gggtagccca taagttagg gtaccctagt aatgtaggaa ttttcagccc 300
 ttgtatttta gggctcacag actaagtttt gtatcaggga tagtttcgta attcacatgc 360
 attaagtgca ctatttgatg tgt 383

<210> 11754
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11754

tagagccaat tcagacgaca ataacttctt actcggatgt ctgattgagt cccgtcatat 60
 atcgagacgc tcgagattta atgttgaagc tcttagccaa ttcaaacgac aataactttt 120
 tactcgaatg tctgattgag tctgttaata taacgagacg ctcgaaattg aatgttgaag 180
 ctctgagcca attcaaacga caataacttt ntactcggat gtctgattga gtcccgtcat 240
 atattgagac gctcgaaatt gaatgttgaa tctctgagcc aattcaaacg acaataactt 300
 tntactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcaaaat tgaatgttga 360
 agtctgagc caattcaaac gaacaataac ttttactcgg atgtctgatt gagtcccgtc 420
 atatatcgag ac 432

<210> 11755
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11755

gcagcttaac attcaatttc gagcgtctct atatgttatt agagtcaata agacatccga 60
 gtaaaaagtt attgtcgttt gaatntgcat agagggtcaa cattcaattt cgagcgtctc 120
 gatatgtgac gagactcaat tatacatccg agtaaaacgt tattgtcgtt ggaatctgct 180
 cggagcttca acattcaatc ttgagcgtct cgatatatta cgagactata tcagacatct 240
 cagtaaaaag ttattgtcgt ttgaatagcg tcagagggtc aacatatcaa ttcgagcgtc 300
 tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg tttgaattgg 360
 ctcagagctt caacattcaa ttcgagcgt 389

<210> 11756
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11756

ctaagcttct ataaggantg tattcaaagc ctctctcatg atgccaggaa tgttcttattc 60
 cactatatta aagagcatag gagccaaagg gtctccatgt ctcaatcctc tagaggggac 120
 tatatccttt gtaggactcc cattaactaa cattgagata gtatctgagt gaagacatgc 180
 agagatccac tatctccatt taaagcagag acctatcctg tccatcatgt tatccaagaa 240
 tgcccaggat attgaatcat atactttgtc taaatccact ttaagaatca tagcaggctt 300
 ctttctctga gtagcttcat ccaccacctc attgagaatg agaattccat ggagaatgtg 360
 cctatgtctt atgagagttg ctacctttca tcaataacct atccgcagag cctcaacaat 420
 ttggcagagt gtgctatact tatacatgcc cc 452

<210> 11757
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11757

ctccaactca agatcattag aatgcttcan aactaaaaac tcaaacctgc ccaaaacttg 60
 cttccttgga gagattccgc aaacgatatt tcaagcacia taggtggtgc aagataaatg 120
 agtaactgag tgagcgcgatg gcatgaggct acagaaagaa attactttac actcaaacca 180

ccacagcttg accagtaatt tcatcatgaa gctgaagcga gccatctttc atcaaattta 240
 ggctcanact ctngaacttc tcccttgaat attgcctaga tgctntcctc cagtcagttc 300
 cagttttcat catcgccaca aactcctcat aactgatgcy accatcctgt gaagtgaaaa 360
 ca 362

<210> 11758
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11758

tgcagactaa gtgctcacca acactanata agaatccctc aggttgtttc atgtaaacct 60
 cttctttctat atcaccattc aggaacaccg ttgtgacatc catttgatgc agctcaagat 120
 caaaatgagc tactaatgcc aaaattactc taagaaagtc tttcttatat acaggggaaa 180
 aagtctttgt gtaatcgatt cttctctgt ggtgaatcct ttagcaacaa gtcttgccctt 240
 atgtctctca atgttgccct ctgagctctt ctttgctttg aagatccatc tacatccgat 300
 ggctnttaca ccaataggca actcaacgag atcccaaact cggttagatg ccatagaatc 360
 catctcatcc ctcatagcat tataccacag atttgattcc ttacaactca tggcttgatga 420
 caacgtctc 429

<210> 11759
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11759

gctattgngt gtcggtgggt ttataagatt aagtatcatg ctgatggctc cgttgaacga 60
 tataatgctc gacttgtagc caaggggtat actcaaatgg aaggatagga tttccttgat 120
 actttatctc cagttgogaa gctcacagca gtccgattat tgctagcatc ggctgctatt 180
 catggttggc accttcgtca gctcgatgta acaatgcagt ccttcatgtg agaataaatg 240
 aataagtcta tatgcatctg cctccatgaa tgcaactctc acaccttaat caagtttgtc 300
 gattacaacg atcactatat gggttgaaac atgctacacg acagcgggat catcgcttgt 360

cctcatttct tttactcatg ggtcactcaa gcttaactga tca

403

<210> 11760

<211> 345

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11760

ctcagcttct gtttcaatgt cgagcttcac gatatactac gggtcacatt ctgacnttcg 60

agtnaaaagt tattgtcatt atagatttct cggagcttcc gttntcaatt acgagcggct 120

cgatatatta cgggactgaa tcagacatcc gaggaaaacg tntttgtcgt tagaatattc 180

tcagagctgt tgttttcaat atcaagcgtc tcgttatatt acgggactta attgtacatc 240

tgagttaaqa tttaatgggg tttgaatttg ctacgagctt ctgttttcag atacgagcgc 300

ctcgatatac tacgggacac agtcggacat ccgagatata agcta 345

<210> 11761

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11761

tctcagctct cagcntgcat tccttttcac tcatgtgtcc aagtctctga tgctacatgt 60

gttgaatatt gacagcctca gtaactacta ccatatcctc atctgcaatc atgtaaagag 120

atctttgctt ctttccacga gccacaacga gatagccttt tgttaccttc caagctccat 180

ctccatctac aaaagtgggtg tgatgtccct catcatccaa ctgccttata gatattaaat 240

ttctctttaa ggtgggaata tttctgacat tgtgcaatgt ccatanggat ccactgaagg 300

tcttgatgtt gatatcacct cttccgacaa tgtcaaaaga ttatccatct gcaaggtaaa 360

ctntccana tcttctagac atatagttag acaataaaatc tctagagggga gtagtgtgga 420

acgacgcacc tgatgtcatg atccatgaat caac 454

<210> 11762

<211> 190

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11762

tccgacatcc gtgtganaag tatgagcatg agagtgtcta tgtatctcca tccanacaag 60
nccagcatct ctatatatta taagcctgaa tccgacattc gtgtgaaaag ctctgaccat 120
ttgaatttct caagatgttc cgttgtccaa tttctagcct ctcaacatct tatacgcccg 180
aatcgaacat 190

<210> 11763
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11763

ctcagcgaga aaggccataa gaaacaatat cnttgcaatg tcttcttcgg agaggttgtg 60
atgtatctcc atgtggagct ttaggcctt ggatcttctt cattaatgga gtcctttgct 120
tcttgaagat caatggaagt ggaatggaga atgaagaaag atgattgacg tcgccacttg 180
aaggagatga tgagtcaaga agaacctcac caccatagga agtcatggat aatagcttga 240
tgg 243

<210> 11764
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11764

attgcatacc aatgatgttg ggaagttcca tataaacttc ttcaaacaaa tctccattca 60
naaaagcatt attaacatct aataggagaa ggcaccagtt tctagcagta gcaacacaga 120
gcanaactct cacagtggta agcttgacaa ctagagaaaa agtataagag aaatcgattc 180
cagcttggtg agtataacct ctggcaacca atcgagctnt gtatctatcc acagagccat 240
ccattttata tttaactgta tacaccatc tacaacctat acaatgctta tcaagtggta 300
agggacaag tcttcaggtg gaatttggtg gacaagtggc ctcaatatct taaggggagg 360
ggggatgaat taagtcttac aaaattgcac tcagaacctc attaaatctc aagt 414

<210> 11765
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11765

tttcgttcat gtgtctccac cttctagttt ggagctatgc gtagtgattg cttagtgcaa 60
 ttctccattc tcnaaccttt tcggagcccc atgaattgcg ttttcgttca tgtgtcctcc 120
 accctcgagt tcggagctat gcgtagtgat tgcttagtgc aattctccat tctcaaactt 180
 ttttgagacc ccatgaatta tgttttcggt catgtgtcct ccaccttoga gtttgagct 240
 atgcgtagtg attgcttagg gcaattctcc attctcaacc ttttacggag cccatgaatt 300
 gcgttttcgt tcatg 315

<210> 11766
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11766

agacatacaa atgacgggta atgatgcac taacacataa ttcaatttat cgtttacaca 60
 tgaagtcttt caccactata acatttcagtg tactccatct ttaacatgtc tagtagaaaa 120
 tcattccacg tgtctatggg tccaggcaag caccagtgc cacaatcatt ataaagtgtg 180
 actttctcat gtggccaatg caccatatct actcgggtga ccatctggtc ttaataacat 240
 tgcttggtga gtgtcacaca acctagattc caaaccttc gttctacctt acttctttgc 300
 aatgtctaac tcttccaact ggatcatata taanctcaa atactactct ctaaactgtat 360
 gtcactggtc ttaa 374

<210> 11767
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 11767

ttcaatgcag aaaccatttt tgatatagag attaaattga aattaaaga tggcaagtat 60
 agcacgtctt ctaagtgtag aaactcagta aagttgactg ttctagagtg tgtggctatg 120

acttggtgac cagtaggctg gcgaactact atgggattta tttctctgta tgtagaataa 180
 caagtcaatg aggatgcaac atgatctgta gcaccagagt ccaagatcca tgttacagct 240
 tcagacttgt gaatattaca aacaaaggat agtatattac ctatggccga tgtat 295

<210> 11768

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11768

cctgatgcct ganatgtctn ttctgatgtg ctttggccta gatgcangga agtattttctc 60
 cattaacacc ctcttaaggt catcccagct gaaaacggac ctgtgagcaa ggtagtatag 120
 ccaatctttt gtcactccct ccagagaatg aggaaaagcc tctataaaga tatgatcttc 180
 ttggacatca cggggcttca tgggtgaaca aaaaatatgg aactccttaa gatgcttatg 240
 aggatcttca cctgcaagac catgaaactt tggcagcaaa tgtattagtc cagtcttgag 300
 aacatatgaa acaccctcat catgatattg aatgcacaa 339

<210> 11769

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11769

ctcatatctt cacagngcct tatatatgga actagttcac ctgtgtcagt tcctctcttg 60
 gccttgacgt catagaaggg aggagcatgg aaacacggct ccattgacat ggcacgtcga 120
 cagggaggat ctggngctgc tcgattctca ggtttgtaca gaatccacgg ttttaaacct 180
 ccaagcccct gagccacata cctcaaagta gaccatgagc tagtaaccaa cacatcagtt 240
 aagcttaaga gatata 256

<210> 11770

<211> 454

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11770

tacaagtgag cttgtaacat atcttctact cttggagtga tcacctgtag tcctctngaa 60
cccttaccac ccactctatc atcatgccga gactcangaa gcccaatagg tttagccttc 120
tctaagtatt ctaaacaaaa ttcaatggct tcttctgcaa tgtacctctc aacaatagat 180
gcttctggac gatatagatt ctttgtatac ccttttaaga tcttcatgta ttgctcaacc 240
gggtacatcc accgtagata aacaggaacc acaacattga tttctctgac cagatgcaca 300
atcaagtgaa tcatgatgtc aaagaaagca gggggaaaat acatctccaa ctggcacagt 360
ataattgagg cctcatttcc aactcataaa cattactgga tcaatgactt gctacatatg 420
catggagaaa aacacaggcg agtatcgtaa tctg 454

<210> 11771

<211> 305

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11771

gtctacgatg tcacgtgtga tgcaattttg ttagtcgtgg ctatacaaga catcttgcca 60
aacaaagtca ggtagccat aactcgctg tgctttgtct tccatgccat atgtagcaaa 120
gtcgttgatc ctattcatgt tgatgagctg gaaaatgagg ctgcaattat actgtgccag 180
ttggagatgt attttccct accttcttg acatcatgaa tcacttgatt atgcatctcg 240
tcagagaaat cannatgtat ggccctgttt attgcagtgg atgtaccag ttgagcgata 300
catga 305

<210> 11772

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11772

tatgccatct agtctttcct ctggtgaac tnngaacata gggggactta ttgcatgtta 60
tataatntac aatgtcatca taccaaggaa aagaaaaaca atngctaaca actattccta 120
taaaagacaa catggcccag aaaactcctc accaccttaa cattgttggg gggatgaaac 180

tattcaatcc ctntcattt tggcgngtc aaccactatg ccttttagagg acattntatg 240
 tccaagcaca atgctctcac gcaccatgaa tnggcatttc tccacattaa gaaccagtct 300
 agtctcctta caccttttca agacaacatt ntaaattttc atataggcat caaaggatng 360
 gaagttatct catgaggagt act 383

<210> 11773
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11773

cgagctctca aactanatgg tcattcttat acacagacgt ccgagtttgc tcataatata 60
 tcgagacgct cgaaattgaa caacgtgtgg tgtctacaaa ctcaaattgt cataacttgt 120
 cacacggaag tccgattcag gcgcataaca tatcgagacg ctctaaattg aacatcggaa 180
 gctctcgaga aataccaatg gtcataacgt ttcacacgga agtccgattc gagcgcatta 240
 tatatcgaga cgctcgaaat tgaacaacgg aagctctcta gatactcata tggtcataac 300
 ttatcacacg gacgtccgag ttaggcgcat aatata 336

<210> 11774
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11774

tacctcatgc tctcctctaa tgactatggc atcattttctg gcgctaaact gctgggaagt 60
 ggaggccatc ttctcaatta aattttctggc ttcagcanga gtcattgtctc caagggctcc 120
 accactggca gcatctatta tacttctctc catattactg agtccttcat aaaaatattg 180
 gagaagaagc tgctctgaaa tctgatggcg ggggcaactg gcacatagtt tcttaaattc 240
 ctcccagtac tcatacaggc tctctccact gagttgtcta atacctgaga tatccttctc 300
 gatggctgtg gtcctggaag cagggaaata ttntctaaga atactctctt aaggctcatcc 360
 cagctcatga tgga 374

<210> 11775

<211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11775

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 ttttactcgg atgtccgatt gagtcacgta atatatcgag acgcccgaga ttcaatacag 120
 aaactctgag caatatctaa cgacaataat attttacttg gatgtccaat tgagtcgcgt 180
 aatatttcga gacactcgaa attgagtaca gaagctctga ggaaattcaa atatataac 240
 ctcttgactc ggatattcga ttgagtcccg taatgtatcg agacattcga nattgaatac 300
 agaagct 307

<210> 11776
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11776

taagctcctt caactgcaca aggctcttaa tatttgaaga gtattcttgt ggaaccttca 60
 cccgacgaag acactggcaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120
 tgggcaagta aattntcttc ccatcagacc ttggatgcaa ctgtgatcgt atacccatat 180
 cagctagatc ttgacgggta ttcaagccat ccttcctctt gccttgaatg ttaaggagcg 240
 tcccaatcac actgtcacia acanttttct ccacatgcat aacatcaata caatgtctaa 300
 cgtcaagatc acaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360
 tctgaacttt atccttcttt ggggtcttcc caaatacaat attcaggtgt tgaacccgct 420
 gatataccta ctcaccaatc aacggtatgg acgtaatatc at 462

<210> 11777
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 11777

agctttccat acaaaaaatg ttgttttcac atccatttgt tctaacacaa gatcaaattc 60

tgccaccata gccataagta ttttgattga cctgtgtttc actacaggag agtaaacttc 120
 attgaagtca attccctcct tttgagtga tctctgagca acaagtctag ctttaaactct 180
 actggtccaa ctccttgat gccttctttc ttcttgaaga tccacttgca gctaaccact 240
 ctagaaccaa gtttttttta atcaattccc atgtatggtt gtcattggaaa gacttaactct 300
 cttcattcat ggcacttgat cttttttctt tctccttact agctaagata ggcttaagag 360
 tttttggatc ttcct 375

<210> 11778
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 11778

agcttttaac tcggaggtcc tattcaagcg cataatatat cgagacgctc gaaattaacc 60
 aacggaagct ctcgagaaat tcaaattggtc ataactttta actcggaggt ccgattcagg 120
 cgcataatat atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaattg 180
 tcataacttt tcacacggag gtctgagtca ggcgcataat atatggacga ccctcataat 240
 ttaccaacgg aagctctcga gaaataccaa tgggtcatagc ttttactgg gatgtccgat 300

<210> 11779
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 11779

ttacacacat gccactctac tccatatttt taaaggatct gttgactagg acacacaagt 60
 atattcacca ggaaaacatt gttgtggaag gaaattgtag cgctgtgatt caaaagatcc 120
 ttccacccaa gcataaagac cctgggagtg taaccattcc ttgttcaatt ggagaagtca 180
 ctgtgggaaa ggcacttatt gatttgggag ccagtattaa tttaatgcca ctctccatgt 240
 gcagaagggt gtgagagttg gagatcatgc ccactaagat gactttacaa ctttgttacc 300
 gctcaattac cagaccatat ggagaaattg aagatgtgct ggttaaaaga aaacatttta 360
 tcttcccgat agactttgtg gtaatggata tt 392

<210> 11780

<211> 381
 <212> DNA
 <213> Glycine max

<400> 11780

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cgctcatctga gccagcggct cttggaatgt ctttggagga ggccccaatc taagacaagg 60
tctcaatatg cggaaaaaat ggctgtaaat attgagaata tccaggccat cactttcaat 120
cccattcctt gatgaagagt ataagctgtc cttacgcaaa catctgcaat actgaggaaa 180
tacctcaacc cgttatatcc ttgcatttta tctttcttct cgaacagtcg cttatgcac 240
taacaagaga aataagatta ttccgcagtc tcagtcattt actaatcaaa agcatgcata 300
tttactttct taatcagggg catgtttgga taaacatgat cagaatttac catataagtg 360
ctcttgattc cacaactta t 381
```

<210> 11781
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11781

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agctttgtaa tgtgttattt tattgtttga tggattggaa cattgataca aagttgtcca 60
ctatcacttt agttaattgt agcacgaatg acaaatcat tgacaaaatt aaatataagt 120
tgcacttagg aagtttatta agggatgaga ctttacttca tatgtgttgt tgtgcacaca 180
tattcaactt gattgtaaaa gatgggttga aatttgtgaa agatgggata gagaagatta 240
gggatagtgt agcatttttg atagccacac caaaaaggaa ggaaaatttt aaggagacag 300
tgaaacaatt aaggatcccg tgcactaaga cnttggtttt agattgtcca actaggtgga 360
tctcaactta taaaatgctt 380
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<210> 11782
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 11782

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tggagaattt caaacgacaa taactttgtt atcggatgta ctcttgagtc ccgtaatata 60
tcgagatgct ccaaattgaa aacggaagct cgtaacaaag tcaaacgaca agaactttat 120
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acgcggatgt ccaattgagt cctgtgatat attgagacgc tccaaattga aaacgaaagt 180
acgtagcaaa ttcaaacgac aataactgta tacaccgctg tccgaatgag tacagtaata 240
tategagacg ctacaagttg aaaacggaag ctctattag actcaatgga cgataacttt 300
ttactccaat gagcgat 317

<210> 11783
<211> 374
<212> DNA
<213> Glycine max

<400> 11783

agcttcaaca tcagacttct tccatggtgc tggaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240
atggcagaga gtttgaaaac agcaagtta ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatt acaccacaac aaaatggcat agttgaaagg aaaaacatga 360
ctttgcaaga agct 374

<210> 11784
<211> 295
<212> DNA
<213> Glycine max

<400> 11784

gtgagaaaat tcaaacgaca ataacttttt tctcggatgt ctgattgagt cccgtaatat 60
atcgagacgc tcgaaattga atgccgaagc gctgagcaaa ttctaacgac aataactttt 120
tactcggatg tctgattgag tcccgttaata tatcgaaaag ctcgaaatgtg aatgttgaag 180
ctcagagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240
atatcgagat gctcgaaatg gaataccgaa ggtctgagca aattcaagcg acaat 295

<210> 11785
<211> 355
<212> DNA
<213> Glycine max

<400> 11785

agcttctaca ttcaatttct atcttttcga tatattacgg gactcaatcg gacatccgag 60
taaaaagtta ttgtagtttg aatttgctca aggcttccgt attccatttc gagcgtctcg 120
atatattacg ggactcaatc ggacatcaga gtaaaaagtt attgttggtt gaattttctc 180
aaagcttcgg tattccattt cgagcatctc gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtagtt tcaatttgct caaggcttcg gtattccatt tcgagcgtct 300
cgatgtatta cgggactcaa tcacacattc gagtaaaaag ttattgtcgc ttgaa 355

<210> 11786

<211> 356

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11786

ttctccacta agttgcctga tgcttgaaat gtctcttctg atggcgngng tcctcgatgc 60
acggaagaat ttctccaaga acaccctctt aaggatcatc cagctgaaaa tggacctggg 120
agcaacgcag tataaccaat cttttgccac tccctccaga gaatgaggaa aagcctttat 180
aaagatatga tcttcttgga cataaggggg cttcatggcg gaacaaacaa tatggaactc 240
cttaagatgc tcatgaggat cttcacctac aagaccatga aacttgggca gcaaatgtat 300
tagtccagtc ttgagtacat atggaacacc ctcatcatga tattgaatgt acaagc 356

<210> 11787

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11787

tggtacttta cccattttgc atgcctttgt ttttactagc tttaccttat aatgcactta 60
agtgattcat gatcactatg aatgacaaat tccttggaac caaggtaatg ttcccaagtt 120
tggagggctc ttattaaggc gtcaagtgtt ttatcatagg tggggtagat aaggagggca 180
ccatgaattt tttcactaaa ataagcaata aggtgcccac cttgtaacaa tactgctcca 240
actcacactt tagaggcatc acattctagc tcagatgttt tagaatagtc atgaagagct 300

acaacaggtg ccttggtgag ctntttcttta agaaaacaaa gactcgctct tgtc 354

<210> 11788
<211> 384
<212> DNA
<213> Glycine max

<400> 11788

agcttcatgc gtatgttttg tactattaag tcaatggcaa catcattatc tcctccactc 60
gggatgataa tatcagcata ctttttagtt ggcaatacaa aatcttcaaa acttggcttt 120
acaaatctgg aatactgaac aatcattttg tatttagtca aggaggactt taaacatttt 180
taaacaaaaa caactttgaa taagttatat gctgaaaaga aaaagctaca agaatcaata 240
aaaaaatggt caactagggg atgttttagta caataaaagt tatttttcat gtgtaaaaat 300
gatgattcct aattaataat atatttattt tgttcggcat ttatataagt tccttttcaa 360
ggtgtaacgt ggtattttta tcac 384

<210> 11789
<211> 374
<212> DNA
<213> Glycine max

<400> 11789

atccatgcaa gacaggagat ttttgcctta tatctgtcca tgacccaacc aaacaaaaaa 60
taacagacta aacttctcta tggatctatg ccacagacca acaaataacc tccttgaact 120
aacatccata taggacacaa actgctcact ccaaacactc atgatcttat cccagcagt 180
caacattgag caagcttaag cagtgatcaa acttgctctt tagaactggc tttgtgaaca 240
tatcaacagg attgtgcaca gtgctgatct tatgaacttc gagtcttctt totgaccgaa 300
tgaagtgata tctaacatct atatgcttgg ttctatcatg atgaacctga tccttggcca 360
agcatatagc acta 374

<210> 11790
<211> 375
<212> DNA
<213> Glycine max

<400> 11790

agcttcttag tttcaattgt tgaagatgaa ttctgtggcta cttcatgcac tcctctaattg 60
acaatagcgt catttctggc actaaattgc tgggagttgg aaatcatctt ctcaattaaa 120
ttcctggctt tcgcaggggt catgtctcca agggctccac cattggttgc attaatacata 180
cttctctcca tgttactcag tccttcataa aaatattgga gaagaagttg ctcataaatc 240
tggatgatgaa ggcagctagc gcataatttt ttgaatcttt cccagtattc atataggctt 300
tctccactga gttgcttgat gcctgaaata tcctttctga tggcagtggg cctacaagca 360
aggaaaaatt tctct 375

<210> 11791
<211> 352
<212> DNA
<213> Glycine max

<400> 11791

agctttagg gttaaagtct cactgattgtc acgtgttgat tcaacaattg ttagtcgtgg 60
ctatacgaga catcttggca aacaaagtca ggtagccat aactcgcag tgctttttct 120
tccatgccat atgtagcaaa gttgttgatc cagtcaagtt tgatgaactt gaaaatgagg 180
ccgcaattat actgagccag ttggagatgt attttctccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcatcta gtcaaagaaa tcaaagtgtg tggctctggg tatttgcggt 300
ggacgtacct ggttgagcga cacatgaaaa tcttaaacat gtgtacaaag aa 352

<210> 11792
<211> 287
<212> DNA
<213> Glycine max

<400> 11792

agcttcaatg gctcaatgag catggtgaaa atgatagtct atcaacacgt aaaaatactc 60
ttttctatag gagaatacta tgatgaaagt ttatgtaata taaatcccta tggaagcagg 120
gcacattttg ttgggtagac catgacaact tgacaagaaa gcaatccaca gtgggctcac 180
caatgaaata gccctacccc atggaagcaa aacattctaa cttgtctcct tgacaccttc 240
acaagtgggt agggatcaac taaaataaaa actcacatgg gatgagg 287

<210> 11793
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 11793

cttgggctaa ttcaaatgac aataaccttt tgctctgatg tctgattgag tcccgtata 60
 tattgagacg ctcgaaattg aattctgaac cttagagcta attcaaacga caataacttt 120
 ttactcggat gtctgattga gtcccgtaat ctattgagac gctcgaaatt gaattctgaa 180
 ccttagagct aattcaaacg acaataactt tttactcgga tgtctgattg agtcccgtaa 240
 tacatcgaga cgctcgaaat tgaatgttga agctctcagc aaattcaaatt gacaataact 300
 ttttactcgg atgtc 315

<210> 11794
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11794

agcttcaaca atcaatttcg agcgcctcga tattttacgg gactcaatca gacatccgag 60
 taaaatgtta ttgtcgtttg aatttgctca gtgcttcaac attcaatttc gagcgtctcg 120
 atatattacg ggtctcaatc agacatccga gtaagaagtt atcgtcgttt gaatttggtc 180
 agagcttcaa cattcaattt atagcgtctc gatattattac aagactcaat cagacattct 240
 antaaaaagg tattgtgggt tgaatttgct taaagcttca acattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcacacattc gagtaaaaag atattgtcct ttgaatttac 360
 t 361

<210> 11795
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11795

agctttttaa atatactact tottagtaaa aaacatgtgt ttttggtaat tatattttta 60
 atgtctgaaa ttatattatc ttttacttaa agattaaata tttgactaaa aaaaaattaa 120

tagcgtggta ttaaaagata tcttattaca ataaataatt taataatgat ggaggcaagg 180
aagaatttgt taaattattg atggtaaaat aaataaataa actaaacgct actttatttt 240
accaaacact ntgattttta ttaattttat tagttaagta aattataaat taggtgaaat 300
aatccgtccg gcacattata agatataagg aatttgaatt ttacgtttta tggtgattaa 360
atattacgtt gaatgcctgc aaaatgacta gt 392

<210> 11796
<211> 314
<212> DNA
<213> Glycine max

<400> 11796

tctataacct tttcttctat gcagtcattt attgcgaatt ctgcagtcaa aggggtgattt 60
ccagcatagc cctttaccct ctgatccaag aagtgggggc agatcaatta gagaaggctt 120
cttgagattt gacagcttgg cattttacat ctgtattctg tatttttata accccttaac 180
ttccaggcat gattctggtg aatttgcaa gctgtttct actaaaggaa tatgtattga 240
tgatatacat ctaagttcag atgacttaga aatgtccatt gatcttgctc catttttgaa 300
tccctcacca tata 314

<210> 11797
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11797

agctttggaa ccaaattagg gaaagaaaat gacctactg tatttgaata tacttatttt 60
atttttcttt ctttttgtat cagttattgt gagtgtttg ctgctggtgt ctactgcata 120
gaaccctgct cctgtcagga ttgcttcaac aaacctattc atgaagacac tgttcttcaa 180
actcgcaagc agattgaatc tcgtaaccct cttgcatttg ctccataaagt catcagaaat 240
tctgattctg tacctgaaat tggggttaga aaataaactc gacttagttt ttcccctaag 300
caattgaaac atcttttata ggtattaatt attatctttt tgtaggatga cccanataaa 360
actccagctt cagcacgaca c 381

<210> 11798
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 11798

ttctgatcca aagagcttga tttacagcat tgttgcagca acatattctg cttctgctgt 60
 gggttgagct attacttcct gtttttgtga ataccatgag aaaattccag aaccaaagct 120
 aaaaagataa cctgaagtac ttctcatatc atcagcacat tcagcccaat cactatcaga 180
 ataaccatga aggctggagt ttttaacata atgggtatctt attccaaaat caattgtgcc 240
 ttttaacatat ctaagaattc tttctgctgc ctgaaaatga attctactag cacagttcat 300
 gtgccttgat aacaagctta ctgcatgc 328

<210> 11799
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 11799

tgagcacctt ttttcacacc tctttctttg ttgatgggtt gagccttctc tagggctgtc 60
 taactgttct gtaatcttcc tccatcatta tcttgtgcat atagtaggca gggatgattc 120
 ctttgaaatc tgatatgtgc cacccaattg cctccccgtg tctcttaagg acctctacca 180
 gcgtgttctc ttcctctgct gttaggtcac tgctgatcac cataggcttg gtctcattct 240
 cctccaataa cacatacttt agatgggttg gtaagatctt tatctccacc ttgggtcttct 300
 cgaatggacc tccgctttca attcttcaaa actgggtccc c 341

<210> 11800
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 11800

agctttgatc acatttctca ttccagacaa acttctcatt cttgtgagtc aatttactta 60
 ggggcagtgc caatttataa aatccctcaa tgaattttct atagtagcca gccaaaccca 120
 agaaacttcg aacttctgtc ggaggtgtcg gatattgcca ctccataacc gactccactt 180

taatcggatc caccgcctcc ccatcttttag aaatgacatg tcccaagaac tgggctttct 240
ccaaccaaga ttcacattcc gacgatgtgg cgaacaattt gctatccgtg agaatatgca 300
agacaattct caagtgcttc tcatgctcct ccttattcct tgaatacact aggata 356

<210> 11801
<211> 340
<212> DNA
<213> Glycine max

<400> 11801

agcttagact atgttcagcc taccatcctc aggctaatgg ccaaactaaa cggaccatac 60
agtcgttggg ggaccttttg agggcgtgtg tcttatagca aaaggggggt tgggagagtt 120
ttcttccgtt gatagagttc acttataaca atagttttca ctctatgttg gcatggctcc 180
ctatgaagct ttgtatggta gaagggtcag gacacccta tgttggctag agcctggaga 240
agaccttacc ttatgacccg aagtgggtaca acaaaccacc gagaagctca agttgatcca 300
agaaaggatg aggactgggt agagtaagca gaaaaattat 340

<210> 11802
<211> 325
<212> DNA
<213> Glycine max

<400> 11802

taccaccata ggaggccatg gataagagct tatatgaaaa aggagatgaa tgaaaggaga 60
gggagagaag agcacgaaat tttgtgctct aaatgagctt tgaaatctga agtttaatat 120
tcagatgatc aaagttaaaa aaaatgcaca cacataacct ctatttatag cctaagtgtc 180
acacaaaatt ggaggggaaat ttgaatttca attcacattt cacttgaatt tgaaagtgaa 240
tttgcgagc caaacttttg agccaaaatt tcactaatta tgattagtga attttagtta 300
tggttcagcc cactaatccc agatc 325

<210> 11803
<211> 361
<212> DNA
<213> Glycine max

<400> 11803

cgacactata caaacgcaag ctttgaaca accaccatt agtgcttctt attcctgagc 60
 actatgaagg cctgcaagta atcatacaaa tcaacctaca accacaaaaa gctgtcaatc 120
 caaagcaacc cccctggcct caaaactcta tccaatcat acaaaataaa ctcaaggagc 180
 acaagatcaa tccacccatc aagaaacctt gttgtgtgaa tcaaacttag ggtgttgca 240
 aaaaatggaa gcctttgggt tatagtcaag tagagaggaa caagtcctct tagagcaatc 300
 atttcattgg aggggtgctc aaaaatgata ttggctgaaa ctatactcac attgaattcc 360
 c 361

<210> 11804
 <211> 279
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11804

cgggatactt agaggcgggc ggcgggcatg caagctatga gcaaaaantaa attattttta 60
 cgtttcactt cgttggctga ctgagtcccg caatatatcg cgacgctcga aattgaatat 120
 cgaagctctg agcaaattca aacgacaata attctttact cggattttctg atttagtctt 180
 gtaatatatc gagtttctcg aaatcgaata ccgaagctct gagcaaattc aaacgacaat 240
 aactttttac tcggatgtcc gattgagtac cnttatata 279

<210> 11805
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11805

tatctagacc tggagacaag ttatgaacat tacttgtgca tccaaaaata cgtggatcaa 60
 catgaaacaa tggttcttta ggaaataaaa tggaatatgg tattttatatt ttaatagagg 120
 aagaaggcat ccgattaatc aaaaaatata ctgtcaaac tgcatacccc caatgtcgga 180
 caagtacatt ggcatggagt aataatgtcc gatgagtctc agcaagatgc atatttttgc 240
 tttcgcatg tcatntgtt gacgagtatg aggacaagag gattggtgga taatgccta 300
 cgctgacaaa aaggaagaaa tcacatgaga aaagtatttt ttacattat cactcctaag 360

gatcttaatt gtcttactta actgagtttt aat

393

<210> 11806
<211> 356
<212> DNA
<213> Glycine max

<400> 11806

tgtaggggta aagtctcacg attgtttcgt tctcatgcaa caattgtag gtgtggctat 60
acgagacgtc ttgccaaaca aagtcagggt aacgataact cgcctatgct ttttcttcca 120
ttctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggccgc 180
aattatactg tgccagttgg agatgtatct tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgatca gagaaatcaa atgttgtggc cctgtttatc tacggcggat 300
gtacctgggt gagcgataca tgaagatctt aaaagggtat acaaagaatc tatatc 356

<210> 11807
<211> 379
<212> DNA
<213> Glycine max

<400> 11807

agctttagag accatttctt atttccacca taaacccaaa gattaagaga gatatatata 60
ctattatttg gtaaacttag cttctctatt tctccacatt ggatgcaatg tactacttct 120
cacttgtaat catctaactt aattagttta gatagttata aatgtagagt atgtaataaa 180
gcaaaataag acactacaca aaaaatgtaa atctacttac tcttactaga aatttgtttt 240
tgaaatcatc taataaaaaa agctatatat atagcttggt atttaaatgaa tatatgatat 300
aaatatgtga aaatacaatt ataattatct tgagatatct tatctgcccc aatgattaaa 360
caattaactc ttatgaaaa 379

<210> 11808
<211> 365
<212> DNA
<213> Glycine max

<400> 11808

tatgctgcag acatatata tagaccttct ttatttagta gcaaaatcag ccacaacaaa 60

acaattatgt cctctccagc aacaggtacg atccccgggtt gaggaatcat cccaacctta 120
gatggtcaaa tacttcacaa cagcagcgac aacaacaaca acagccttat ttccagaatg 180
ttgctagccc aagcagacca tacgttcttc caccaatcca gcgacaacaa caacagccac 240
agccccagaa acagcaaata gttgacgctc ctccgcaacc ttcccttgaa gaacttgtga 300
ggcaaatgac tatgccaaac atgcagtttc aacaagagac caaacctcg atttagagct 360
taact 365

<210> 11809
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11809

agctagcaaa ccaaagtctc atcactatta gaggagaaac cttcagggtg ttttatataa 60
accttctcct ctaaatcacc attaagaaaa gctggtttca catccatttg ttgcaactca 120
aggtcaaaat gagcaactaa tgccaagatt atatgaagag aatctttctt agatactgga 180
gaaaaagtct ctttgtaatc tattccttcc ttttgagtaa atcccttata aacaagtctt 240
gccttgatc tctcaatggt gcctaataaa tccttttttg tcttaaagac ccatntacat 300
ccaatagcct tcgccccatt aggcaactct acaagggtcc aactttgtta ctctgcatgg 360
aactcatctc atccttcat 379

<210> 11810
<211> 348
<212> DNA
<213> Glycine max

<400> 11810

tggcaagagc tccagcagct aggggaattga tgtttgtgca tggttcagcc ttaggcgagt 60
gccaacgttt atcggtgaac ttgtcggtga agtcaagtcc acccaaaatg gcaccagtga 120
gttcatgggg gttagggtgca tctttttgaa accatttgga gaagctcgtg gcgcatacca 180
cctcttcata ctttttcagt tttggcaccg aaacacctct atggtgagcc tgcgttggtg 240
ggttctttcc aaatccaacc atgtaagatc ttctatcagg gtttttccct agtatgtaat 300
ccatctgtgc aaattgcaat ttctccaccc aattaatcaa taagtcta 348

<210> 11811
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 11811

tatacagtag agctgcaggc gtgccagcct agaacagaaa cttaattcct taattccttg 60
 ttaaggctgg ttgcaggagc tgtggcatcc ttccaccac catattttga cacaaattca 120
 tctttgacac gctctaaaaa agccatgggt aactggggtt caattgattc atctgcaaca 180
 acacaatatg cttgataatg gcagaaggct gaaatttcat aacactacca aactcaaaaa 240
 aaatatacgg ttcacctcta caaaagcagt atcagcagat aaaattataa cttaaaagaa 300
 aaccaatgaa tacttagtta tcaagcttaa atagcagcac ttgctgcaa gcaccataaa 360
 agctatagca agatgatgaa tagtggaatg accaccattc tgaagattct agatacaa 418

<210> 11812
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 11812

agcttttgaa ttatcaatat tcaaacttgc ttctacacc ataattcttg cacctaattg 60
 gaaatatggg ttgagctca tatgttacgc aagtgattat gtagttgggt ttgtcttggg 120
 acaaaaaaaaa gaagacaaaa tttttcatgc tatacattat gctagtaaag tccttaatga 180
 gcatcaagtg aattatgcaa caaccaaaaa tgaattacta gctataatct atgcattgga 240
 aaaatttaga tcttatctca ttgctctaa agtggttggt tatacagatt atgcaactat 300
 taagtatctc ctatctaagc ccgattccaa accaaggctt attaggtgga tacttatgtt 360
 gtaagaattt gatcttgaaa t 381

<210> 11813
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 11813

agcttgccca agcaattttg gtcagaggca attaattatt catgttattt ggtgaacata 60

tctccttcta caactattaa ttgcaagaca ctagaggaaa tgtggtcagg ctctaaaata 120
aattattcaa ttctgtgtgt atttggtgt ctagcttata ctcatgttaa taaaggaaaa 180
tcggagccaa gagccaagaa atgcacattt ttgggttatc aagatggtgt aaaagggtac 240
aggctatagg accctaagga atcaaagctc ttgattggta gagatgtgat ctttgatgag 300
acaatcatac ttaatccaag accacatgag gaccataata ataaatttga aggtcatggt 360
gttcgcaaaa aggtggagca 380

<210> 11814
<211> 364
<212> DNA
<213> Glycine max

<400> 11814

tagcttcaac cattgtgtta tggaccattt caagtgctag aaagaatcaa tgacaatgct 60
tacatatagc agctgcccgg ggagtatact gtaagatcca ccttcaatgt ctatgattta 120
tctctttatg atgcagatgg agaatccgat ttgaggacct atccttctca agaggggagag 180
aatgatgagg acatgttcaa gagcacgggc aaggatccac tatgaggact tggaggacct 240
atgacaaggg ctagagcaag gaaagcccat gaatctctta aacgagtgtc gtccatacta 300
tttgaataca agcccaagat tcaaggagaa cagtccaatg ttgtgagtag tatcatggcc 360
caaa 364

<210> 11815
<211> 384
<212> DNA
<213> Glycine max

<400> 11815

tagcttatac aacgtgctat tatcttttgg aaataaagga atacaatatt atttaactgt 60
ttcttgtttt aaaaaattgt tatcattaat aattagagga tatcaataaa tgatctttgt 120
attaattaag taaatacccc ttcagtctat gcattggtta aggtgtttgc acagggttaat 180
aaatactatt taatttatac aaaagtgatt taactatcct taattattta ttacttcttt 240
ctgactttta tataagacac tttgagaata attacacaaa ccaataaata gttaatttta 300
tgattttttt aaatgttatc aatataccaa ttttacctta ttactaatca ttaactgtc 360

aagtattatg tatccctatc aata

384

<210> 11816
<211> 383
<212> DNA
<213> Glycine max

<400> 11816

agcttgtgtc actattcact gtgatagtca aagtgtcatt cacttagcaa atcaccaaatt 60
gtaccatgag aggacaaagc acatagatgt gaaactacac ttcacacagag atgtgattga 120
atctgagaag gtgaagggtg agaaagtttc aacagaagaa aacccggctg atatgttcac 180
aaagtccctc tctagtgtca agttcaagca ctgcttggac ttgatcaatt tcgaagatgc 240
ctaaagcaga ttggtagaag tgcagccctg aatcacaagg tagacacttg ctgatttgga 300
gtcaagggtg agatttttgg tgtgtgactc aaaatcaca atggcacaag tgagaaggct 360
ttaaagtggg gttgtcataa ctg 383

<210> 11817
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11817

tcttagtttc agatgatgca gatggggttg tagctacctc atgcactcct ctaatgacta 60
tggcatcatt tttggcacta aactgctggg agttggaggc catcttctca attaaatttc 120
tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180
tctccatatt actgagtcct tcataaaaaat attggagaag aagctgttct gaaatctgat 240
gggtgggggca actggcacat agtttcttaa atctctccca gtactcatac aggtctctctc 300
cactgagttg tctaatacct gagatatacct tcttgatggc tgtgggtcctg gaaacangga 360
aanatttttc taagaatact ctcttaagtc at 392

<210> 11818
<211> 172
<212> DNA
<213> Glycine max

<400> 11818

tctcgattgc ctaagcgtgg accctctatg ttcattcctc cattcaccac ttttttggga 60
gccccacgta tgtgggcgcc tatcgcgggg caagcatctt gcgacgttca catccgatgc 120
cgacaaatgt gaacgcctag ctatactg caatgatgca tgtccccact tt 172

<210> 11819

<211> 387

<212> DNA

<213> Glycine max

<400> 11819

catgcaagct tattgttggt tctctcccca tttgaaacca acatttttct tgagcacttc 60
attgagaggt gctgccaatg cgctaaaatc cttcacaat cgtctataaa aacttgctaa 120
gcatgaaaa ctcctcacct cggtcacaga cttaggtgta ggccattttt gaatagccct 180
aaccttctcc tgatcaactt gcatccttt tgaactcaca acaaaaccaa gaaacacaac 240
atggtagta caaaagatgc atttttcaag attggcatac aattgttctt ttctaagcac 300
agtcaagaca gatattaaat gatcaatatg ccaatcaagt gaagtgtat agataagaat 360
atcatcaaag tacaccacaa caaactt 387

<210> 11820

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11820

ntggagtttc caagtgccaa ttcgtcctct tctttagtcc agtcttcttc tggcttcaat 60
tcatcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120
gctttccagg ttctgtatc cagtgatttg aggaaggcca ccattattgc tttccagtat 180
tcatagttag ttccatcaag aattgggtgt ctgttcactg gtctccttc tttctccatg 240
ttcatcagaa tttatctccc cagatctcac tctgtgattt cgagtgttgg ctctgatacc 300
aattgaaatt ctgataccac gggacaaatg tegtacacga tgtcacgaca tcacgcttag 360
aacatgcaga ttgtatgtg 379

<210> 11821
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 11821

agcatgacct tctgatacta tgaggctgac ccttgaggag cccgtctaga gcgaaattga 60
 cctctgcaac gtgctccatc atctctccga actcctgcgc ctccatcagc gtggacgtcg 120
 ccggaatccc ctccgcgggc gcccgcttcg tcctcttcga ctaccttgct ccgcctgcgc 180
 cggtgccgtt tccgaagtcg ccgatctccg aatacaataa ggaccaatgc tgtgaggacc 240
 agtcctgtga ggaaaacacg aagccgcata gagggtcctt tttctcctg 289

<210> 11822
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11822

gatgatngga gacgacactt caatgagaag atgagtcaag aagaagctca ccatcatang 60
 aagccatgga taacagcctg aatgcangag aagatgagtg gacagagagg gagagaacga 120
 gcacgannat ttatgcctca natgatgtat aaactttgaa gtgtaattct taaatgatca 180
 aagctgataa aatgcacaca catggncctt attatagcct aagtgtcaca caaattgagg 240
 gaattgaatt ctttaaatta cttgattgtg ggccaatttg gatcacaatn tactaatatg 300
 atagtgattt agtatgtcac tctatcagac 330

<210> 11823
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11823

ttctaccctc taaccctnta gaacacttaa tgttgtctcn taatttgttt acaacaggac 60
 caactacttt caaccctct tgaacaataa ggtgtaaaat ctgagcacia catcgatat 120
 gagaaaattc accaccactt actaaacat tattatgcac aagaagtctn tccttcaaat 180
 agtcttgcat cttatcatta gaagaagcat tatccaaaat taatgaaaaa aaattccact 240

aaatcaccca ttcttaaaaa aaaaccatat ataatttttag ccatctcatg tctggagttt 300
 ggagaaggaa aatgagaaaa attaagcatt ttactattca gcttccaatt tacatcaaca 360
 taatgtgtag ttaatgaaaa acaagatgtc catccatcag atgtcaagtc tattctacta 420
 gtgactctag acaacatgca tntcannttt ttcttntcaa aatcatacaa atcgttcata 480
 tttaatggag caacacgccc agagggtacc ttaacatctg gat 523

<210> 11824
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11824

ctcggatgtc ngattcaagc gcataatata tcgagacgct cganattgaa caatggaagc 60
 tctngagcaa ttccaatggt cataactttt aactcggatg tccgattcag ggcataata 120
 tctcgagacg ttcgaaattg aacaatggaa gctcttgagc aattcaaattg gtcataactt 180
 ttcactcgga ggtccgattc aggacataa tatatcgaga cgctcgaaat tgaacaatgg 240
 aagctcttga gcaattcaaa tggtcataac ttttcaactcg gaggtccgat tcaggcgcat 300
 aatatatcga gacgctcgaa attgacaatg gaagctttta gc 342

<210> 11825
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11825

tcacacatac actcaacact gtgttctact cagctgtcta caatataata ctntaacaca 60
 tgacacatac acaaggacat gaatcttcaa ttaaagagat atacaacaca tggcataacc 120
 atgaaatatg agaaggtag gaataagggg tgaaacagta accaccgaat cagaagcata 180
 aagtatatat acctttattg caaaaagatc accagttggt ctcttggttag ccaagaaaac 240
 tcttccatat gccccacgac tgatagggtt tataatctca aagtcacaa tagagggtcg 300
 atcccttgaa gaatggatgg ggctnngtct cangctgga accacatcat cttccaagat 360
 atcatcatca aca 373

<210> 11826
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11826

atgtttccta ccacagtcca acctttactc caggacttct catccatatt ntatcaatcc 60
 caaggcttac cccacccgcc ttcaatccca taaccaccaa attcctcttt tacccaattc 120
 caaaccaatg aatgtaaaat cataccgtta ccctcacatt caaaaggagg caatgacaaa 180
 aatcatttcg gagatgttga atgaaagatt gattgtgcaa agtcacaatc ctttntcttc 240
 cccagtgtcg ttgaattgct aaaaaagatg gaactnnggt gctttgtacg aattatagag 300
 ctctcaatgc cattacaatc cgagatcaat ttcttattcc aacacttgat gaattatngg 360
 ataagttac 369

<210> 11827
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11827

tcactctact ctaatatgat cagcttaatt tatactctcca aggtctttat gaactcattn 60
 tctaatactg atcctacgat tagacgtata attaactaga aatactotta acaacatctc 120
 tactaaaata acgtcatatt tctagtagaa aaattcttca aaacactggt gattgattca 180
 aacatatttt aaagttaag ctctaggctt atcaataaaa aatatgtatc tatagtctct 240
 attaaacaaa aagatgatat atgttgagct aactctttan aagatacacc aaattgtcat 300
 aaggaataaa gtcaaatgaa tatttgagtg tcgagttcac aagatctttt attatatnta 360
 gattgtgtaa cctaattcta agcattaata gagtgaagag atagaaattt atatgagaac 420
 aaaaatggac tatacgacat gaaataacaa tatcgatg 458

<210> 11828
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11828

atcttcaatg tacatgcgaa ggtgaaggat actctaattgt tcaatacttt tgttctctgc 60
caagtcttca acgagtncaa ctctagaagt atggagagac tcaatgtgtc tcaaggcatt 120
cacaaanacc acttatttct tcgaattgtg aggattactc tggttcttta agtattgatg 180
gtggaactcc taaagaagta tgctgataca gagagattga catgcgagca atggagaatc 240
tgtattgtca ttgcagctgc gtcctggcaa ttgcttgaat acaaagctcg tacctgtcag 300
attaacgtca tcaccaccac gttaagtggg aaattatggg cttaagatta acattgtata 360
atctacctct cacacgttaa gaatataatt caacct 396

<210> 11829
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11829

ctgcagctta ngaggtattg cataatcgct aaacgcttat tctaataacc gtctagaaag 60
cgatttatat ggacttgtat taatatntaa ttattaattc ctactttttt cctttatgtn 120
ttatgccctt acatataaaa taataatata aataagaaat attggattga atattctatt 180
catgttacan aatgacctta tagcatgttt acaaaataca ataaatgcat gtataaatng 240
ctaanaatta tgaataagat cttctatcca tttctgtgga actagtaata taaatgggta 300
aanattatga aaaggaataa catataacct 330

<210> 11830
<211> 374
<212> DNA
<213> Glycine max

<400> 11830

atatggagag ggtaatgaaa taacaagatg atgcgctcca tgagaggggtg gatcaaatgg 60
agaatagaga tcataatgaa gaagaaagga ggagaagagg gaatgatcgt gttcctagac 120
aaaaccgaat tgatgggtatt aaactcaaca ttctccatt taaaggaaag aatgatccgg 180
aggcctactt ggagtgggag atgaaaatag agcatgtttt ctcatgcaac aactatgagg 240

aggaccagaa ggtgaagctt gccgccacgg agttttccga ctatgctctt gtgtggtgga 300
acaagctaca aaaggagaga gcaagaaatg aagagccaat ggttgatata tggacggaga 360
tgaaaaagat catg 374

<210> 11831
<211> 505
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11831

tcactctgcat atngctgaat gttactgtca ccttctgctn tcctactaaa taactgttgt 60
acagaccttn ggatagagtt gtcctcatca tgctagtcaa gcttgaagcc acaatattga 120
aaaggaaagg ggctaagggg tccccttgcc tcaaacctct agtgggggca aattcatttg 180
aggggctgcc atttatgaga atggatatag aagatgattg attgcaagca ttgatccatt 240
tcctccatat aggacagaac cccatttgac catcatataa tccagaaagt tccatgaaac 300
agagtcataa gcctttgcna agtccacctt aaacaccaaa agctggttct tacttctttt 360
atcttctctt attgcttcat tgagaatcaa agttccatga aggatgtttc tatcctttat 420
gaaaagtgnt ngctctctcat caatgagtcc agngcaataa tttcttaacc tatntngcca 480
gtaattagca atgatcttat acata 505

<210> 11832
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11832

gccatgacca gaaccacatt tatgtgtgac atgaagatgt tgtaggtggc atcaccaatg 60
gatatgcagt catcaccagt ttgcaaggta caccatttaa tggtaacccc agttgagcgt 120
tcaacatgaa tgccatcggg gttagggtct tgggtctggg caataagcct cacaatttta 180
acaagaacat tgtngcaagc gttgatcaca atgtgacttt agctggctgt gatagaagtt 240
atgccactaa ccaccaagtt attcaccag ttgaatgtca ttgactgcaa tnnatagcat 300
gtattcagtc gtacataata ttcactggat aaacataata ttctagttcc agctaaaata 360

taaagtacag aattctntca acacattctt agtcagccaa cattatagaa cttacgatta 420

ccacatatat acat 434

<210> 11833

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11833

catcttcaga ctgatcaaca cttgcacagt ggccaaagat gcatgggaga tcttgataat 60

cactcatgaa ggaacctcca aagtgaagat ttccagattg caactcttgg ctacaaaatt 120

cgaaaatctg aagatgaagg aggaagagtg tattcatgac ttccacatga acattcttga 180

aattgccaat gcttgcaactg ctttgtgaga gaggataaca gatgaaaagc tgggtgagaaa 240

gatcctcaga tctttgcta agagatttga catgaaagtc actgcaatag aggaggccca 300

agacattcgc aacatgagag tagatgaact cattggttct cttcanacct ttgagctang 360

actctcggat a 371

<210> 11834

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11834

actcgcatgt ctggttgagt cccgtaatat atcaagacgc actcaattga atgttgaagc 60

tgagagcaaa ttcaaacgac aataactttt tactcggatg tctgattgag tcccgtata 120

tatcgagacg ctcgaaattg aatgttgaag gtctgagcaa attcaaacga caataactgt 180

ttaccggat gtctgattga gttccgtcat atatcgagac gctcaaaatt gaatgttgaa 240

gctctgagcc aattcaaacg acaataactt ttactcggga tgtctgattg agtcccgtaa 300

tatatcgaga cgctcgaaat tgaatgttga acctctgagc caattcaaac gacaataact 360

ttntacttcg atgtctgatt gagtcccgta atata 395

<210> 11835

<211> 262

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11835

catgctatat gtagcaaagt catcgatcct atgaagtatg atgagctgga atatgacgcc 60
 gcaattatat tgtgccagct ggagatgtat gtcctctctg cctactatga catcatgatn 120
 tactcgatgg tgcacttagt cagagaaatc aaatatgggtg gtcttggtta attgccatgg 180
 atgtacccga ttgagcgata catgaagatc ttaaagggga tactaagaat ctctatcgtg 240
 cacaatcatc tattggtgag ag 262

<210> 11836
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11836

ataacgtntc actcggatgt cggattcaag cgcataatat atcgagacgc tcgatattga 60
 acaatggaag ctcttgagca attccaatgg tcataactct taactcggat gtccgattca 120
 ggcgcataat atctcgagac gttcgaaatt gaacaatgga agctctcgag caattcaaatt 180
 tgtcataact tttcactcgg aggtctgatt caggcacata atatttcgag acgctcgaaa 240
 ttgaacaatg gaagctcttg agcaattcat atggtcataa cttttcactc ggaagtccga 300
 ttcatgcgca taatatatcg agacgctctg aagttaacaa tggaagctct ttagcaattc 360
 acatggatcat aactcttcac tcggatgtcc gatcacgcac ataatatatc gagacgctcg 420
 catttgaaca ac 432

<210> 11837
 <211> 324
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11837

ttgtgagccc tgggtgtgant gagtntccct cttcagataa atgtgaggcc cttcaccatt 60
 aggtctcttg tgatgctccg tcaacctttc agcaaaataa agaggactct cccgtccaac 120

ataatctttt agaatcccag ctagttctgt ctgcaattga naacatccat ctcagagaat 180
 ttccattgtt tttccttcca ggaaactaca tttcattgta tggcttctga atgtagtta 240
 catacaatga atgagtgacg tgcattgtatg ttagagagac agaaagttat tcttaatata 300
 attgagaaaa gaatgacatg gagt 324

<210> 11838
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11838

tctgtcggtc aatttttagtg tctcgatata ttattcacct gaatctgaca tccgtgagat 60
 aagttatgac catttgaatn tctcgagaac tttcgggtgat caatttcgag catctcgata 120
 tgttatccac ctaaactcga catccgattg aanagttatg aaccattgaa tntctcgaga 180
 gcttcggttg ntcaatttcg agcatctcga tatattattc gcctgaatct gacatccgtg 240
 tgataagtta tgaccgatta aatatgtcaa catcttcggg cgttcaattt cgagcgtctg 300
 gatttattat ccacctgaac tggacatccg ttcgaaaatg tatgaccatt tgaattctcg 360
 agagcttcgg ttgttcaatt tgagcgtctc gatataattat g 401

<210> 11839
 <211> 294
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11839

gtgtctccat ggngagcagc tagtgtgtag tgaggaaaaa agatggaatt atgaggttgt 60
 gtgtagacta ccgccagttc aataaggtga cgaataagaa taagtacctt tttcctagaa 120
 taaatgacct tatggaccag ctgataagag ctttgtgtgnt tagcaagata gaccttango 180
 caggttacca tcagatctaa gtgaagtcnt gaaatattcc gaagactgcc tntacgaccc 240
 gttatagtaa ctatgagtat ctagtatcta gtatttttct tcaatgtgac taat 294

<210> 11840
 <211> 265
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11840

acaatggtga gttggttgtg gataagcaag tggtacttac attctccata gcanagtatg 60
tngatgatgt gaatngtgat atggttccca tggaagctgg acatatgtng ctnggaagac 120
cttggcaata tgatagaggt gttgtccaca atggngtcac gaatcgatat tagttcttgc 180
ataaaggtaa naaggtagtt ctcaccttcg tctccaagtg aggtgtgtga ggatcatata 240
acaatgagat taanaagaga aagag 265

<210> 11841

<211> 464

<212> DNA

<213> Glycine max

<400> 11841

acatggggta cgaatgaggc ccatgatata tcgagaggct cgaaattgaa aaatggaagt 60
tctcgagaaa ttcaaattgt cataactttt aacttgatg tccgattcac gcacataata 120
tatcgagaca cacaaaattg aaaaatggaa ttctcgagaa attcaaattg tcataacttt 180
tgccctgaat gtcagattta ggcacataat atatcgagac gctcgaaatt aaacaagaaa 240
gctctgggtcc aattcaaacy gccataactt ttgacatgag tgtatgattg aggcccatga 300
tatatagaga acgctcgaaa tgaataatgg aagttctcga gaaattaaaa ttgtcataac 360
ttttcactcg gatgtccgat tcagacacat aatatatcga gacgcttgaa cctaacaagg 420
aagctctggt ccaattcaga gggccataac ttttgacatg ggtg 464

<210> 11842

<211> 259

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11842

gttgatgcaa gaaggtcatc caatggctct atttagtgaa nnagtaagtg gtccctaccct 60
taactattca acttatgata nagagtnhta tgccttagta cgggcttnga aaacatggca 120
acactacctt tatcccaagg aatntgtcat tcatagtgac catgagtncc tcanatatat 180

caaggggcaa ggcaagctta acanaaggca tgcaagtgg ggtggaatcc tagagcaatt 240
cccttatggt atcaaacat 259

<210> 11843
<211> 184
<212> DNA
<213> Glycine max

<400> 11843

agcagagcaa ttatgacctc tccagcaaca gatacaaccc tggatggagg aatcacccta 60
acctcagatg gtccagccct cagcaacaac aacagcagcc tggctccttc ttccagaatg 120
ctgctggccc aaacagacca tacattcctc caccaatcca acaacagcaa caaccccaga 180
aaca 184

<210> 11844
<211> 326
<212> DNA
<213> Glycine max

<400> 11844

gaggacacat gaacgataac acaattcatg gcgctccgat aaaggggttg agaatggata 60
attacactaa gcaatcacta ctcatagctc caaactcgaa ggtggaggac acatgaacga 120
taacgcaatt catggggctc cgaaaagatt gataatggag aattgctcta cgcaatcact 180
acgcatagct ccatacgca aggtggagga cacatgaatg aaaacgcaat tcatggggct 240
ccgaaaagat tgagaatgga gaattgcact aagcaatcac tacgcatagc tccaaacttg 300
aacgtggagg acacatgaat gaaaat 326

<210> 11845
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11845

tagagtctga atagttcgtg cagtctgacc atctcgttga ggatgataag ctgaactaat 60
cttcagcttt gtccccaagg cttcatgtaa acttgtccac aatcgcaag tgaaccttgg 120
atccctgtca tatacaatac tacgaaagaa ttccatgcca cttactact tacttgatat 180

acaactccac tagctnttcc attctatacc tcatattcac tgggataaca cgagccagat 240
 tggtgagtcg atctactat 259

<210> 11846
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11846

cgccttatcc cactaggtgg tgcggctac atggatcaac ttccaccata atgttctatc 60
 aagtaccata cttctatcca aatcattaag ttcgagatcc tttntgataa cctctcttat 120
 agtctctgtg ggtcttctc tgccctgaat tgtttgtctt ctctccatct ggtctactct 180
 cctcactaca gagtctaccg gtcttctctc tacatgccca aaccacctaa gtctattgtc 240
 catcatcttc tctacaatag gcgctactcc aaccctctct ctaatagctt cgttttctaat 300
 tctatcctgc cgagtcttac cacacatcca ccgcaacatg ctcatctncc ctacacctac 360
 tttatttctc atgtggctct tgaccgccca acattctggg tcgtacanaa tcgccgggtct 420
 ttaccgcagt ccgataaact tttcctttta 450

<210> 11847
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11847

ctctctcatg taatgatgta gaatctacag ccaaagactt caaaaaaggg ggtcattccg 60
 aaacatctcc tgtagttctt caagaagggt agaaattaga agatttcagt gcaaattgagt 120
 ctcatctgac tgctaaacct gatcctccac agctcaattc tggaatcaat cagagaccaa 180
 aaagggtcac taaacctccc gaaagatacg gatttgaaga catggctgcc tatgcattac 240
 atgcagctga agaaatagat tcaaataaac cagccactta ccaagaagct atcaatcatc 300
 ctgaagctga nnaattgggt tagctttgaa agaggaaatg gaatctttgt ataagaatca 360
 gacctggaaa ctttgtgaac tacctgaagg aagacatgtg gtaggtngca agtggatatt 420
 caagaggaaa cctgggtct 438

<210> 11848
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11848

tgctcaccaa cacaagataa gaatccctca tgttgtttca tgtaaacctc ttcttctaga 60
 tcaccattta ggaacgccgt gttcacatcc atttgatgca gctcaagatc aaaatgagct 120
 actaatgcca gaattactcg aagagagtct ttcttagata caggggaaaa ggtctctctg 180
 taatcgattc cttctctttg agtgaatcct ttagcaacaa gtcttgccctt atgtctctca 240
 atgttgccctt ctgagtcttt ctttggtttg aagaccatc tacatccgat ggcttntcac 300
 caacaggcaa ctcaacgaga tcccaaactt ggttagatgc catagaatcc atctcatccc 360
 tcatagcatt ataccac 377

<210> 11849
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11849

acgggactga attagacatc cgagtaaaaa gttattgtag tttgaagatg ctcagagcgt 60
 taccattcaa tatcgagcgt ntcgatatat tacgggacta aatcagacat cagagtaaaa 120
 agttaatgtc atttgaatta tctcagagct tcggtattcc atttcgagcg tctcgatata 180
 ttacgggagt caatcagaca tccgagtaaa aagttactgt cgtttgaatt ngctcagagc 240
 ttcgataatc aatttcgagt gtctcaatat attacgcgac tcagtcagac aaccgagtaa 300
 aaagtattgt cgttgaatt tgctcaaagc ttctgtattc aatttcgagt gtctcgacat 360
 attatgggac tcaatc 376

<210> 11850
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 11850

tggatttcct tttagtaggg agtctatcct tcctaagatg gagccaaacc cactcaccct 60
cattaagaat tagctttttt ctctctctat tgtcttttagt tgaatacacc tttgttggat 120
tctctatttg gttcttaacc ttctcatgca acttctttac aaactctgac ctagattccc 180
cttctttatg tataaaaaaa gtgtccagtg gaatgggaat gaggtctaata ggtgttaggg 240
gattgaaccc acctcaaaag gggattgctt ggtggttcta tgagtcccc tgttgatga 300
aaattctaca tgaggaagat actcatccca agacttatgg ttgtctttca ga 352

<210> 11851
<211> 447
<212> DNA
<213> Glycine max

<400> 11851

agcttctctg aagtcaaacc acacacatat atatatcatg acatgggaca aaatagttct 60
tataaaaatg ttttccccag aacaagtaca cgtaaattat aacaaatgaa caaacaaaaa 120
agcatacttt cattgtctcc tatcaaagt atcctgagaa aacaaacaaa agtgagtcac 180
ttacagggaa caaattcttc cagaactgaa gatcagtctt aggaggctca actatcttgg 240
tggcccaaca gaacaacatt atgagagagc cacatgcaag ggagagagtt gaggtaagcc 300
aagggtatgg gaatgcattc atcaccttct tgttataaat gttgaacacc acattcagtg 360
cccaccatgt agcaaagtat attccaatct tcaccttctt agcagcctct gatggagccc 420
cagcccctcc aacctttgat ctatcag 447

<210> 11852
<211> 387
<212> DNA
<213> Glycine max

<400> 11852

acttgccagg tgattcaaaa tgaaaaaggt ctctacattg tttcaattag aagatcatgg 60
aggtaaattt cacaatgact cttttgaaaa cttttgtgaa gaaaatgtat ttcaccacaa 120
tttttcagcc cgtcagcac ctcaacagaa aggtgttgtg gagaggaaaa atatatccct 180
tgaagaaggt gaaagaacac ttctaaatga aacaagggtg cgtaagtatt tttgggcaga 240
tgttgtacat actatatgtt acacctttaa caaagtaact attagacctt ttctgaataa 300

aaatccttat gaaccgtatt aaggaagaaa actgaacatc tctcacctaa tagttttttt 360
gcaagtattt tgtttttaca atggtaa 387

<210> 11853
<211> 378
<212> DNA
<213> Glycine max

<400> 11853

tgccgccacg gagtttttcg actatgctct tgtgtggtgg aacaagctac aaaaggagag 60
agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccba 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagttgc acgagtttgt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtggag caacaatt 378

<210> 11854
<211> 354
<212> DNA
<213> Glycine max

<400> 11854

agcttgaaat tgaacatcag aagctctcaa gatattcaaa tggtcataac ttgtcacaag 60
gatgtccgat tctggcgcat cacatatcaa gacgctctaa attgaaaatc ggaagctctc 120
gcgaaattca agtggtcata acccgtcatt cggatgtccg attcaggcac ataatatatc 180
aagatgctcg aaattgaaca acgaatgctc tcgagaaatt caaatgggtca taacttgtca 240
cacggatgtc cgattcaggc gcataatata tccaaacgct ctaaattgaa catcggaagc 300
tctcgagaaa ttaaattggc atacttgtac accgaagacc gatctgcgca taca 354

<210> 11855
<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 11855

tcctctaagn cacctgctgc atgcaagctt gcgaattttg gcgatatcag gggacatatg 60
cttgatgact gcagtgagaa caccaacctt ccacgccttc tttaagtcac gtggttactc 120
gtatagagga gggccttgat ctttatgtag accaatttga tgccaccatt cttcattccc 180
agttggccac catggtggaa gaacacctt ctctattggg aacctcctct gatgaggatc 240
acagtgctgc ataagtctg acaagataga acccaagggt gtgtccttgt aactcttgca 300
aggtgtgtgg tgtcgaccaa tggaactgat ccatcatt 338

<210> 11856

<211> 405

<212> DNA

<213> Glycine max

<400> 11856

tccaatgtat aatttcgagc gtcttcatat attatgcgcc tgaatcggac ctccgagttg 60
aaagttatga ccatttgaat ttctcgagag ctttcgttgt tcaatatcga gcatctcgat 120
atattatgcg gctgaatcag acctccgagt gaaaagtat gaccatttga attgctaaag 180
agcttcaatt gctcaatttc tagcgtctcg atatattatg cgcttgaatc ggacctccga 240
gttaaaaagt atgaccatta gaattttttg aaagcttccg ttgttcaatt tctggcgtct 300
tgatatatta tgcgcctgaa tcggacctct gagtgaaaag ttatgaccat tcgaattttt 360
tcagagcttc cgttgttcaa tttcaagcgt ctcgatatat tatgc 405

<210> 11857

<211> 387

<212> DNA

<213> Glycine max

<400> 11857

tcattgctct gctattgatc tatcaaggaa tccagtctct catgaccgaa ttaagcacat 60
tgagactaaa tttcattttc tgagagatca agtggctaaa ggaaagggtta agctagtgc 120
ttgtataatt gaggttcagc tagctgacat aaagactaag gctttgaaag ctggcagatt 180
caatgagctg agaaggaaaa taggagttca aagtttggag gattaagaat ttttgttcaa 240
taaagtgtgc tgtaatgttc ttgttgtgga ttactgttt ttgaatcaaa ggggggtgtt 300

agggataatt caaaaaacag ctactaattt gttaatagtt gatggcgggt agttagttga 360
 cttagcctat atatagacat atgggta 387

<210> 11858
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11858

agctntacag caaatgccac tctactccaa attccttgatg gatatgttaa caaggaaaca 60
 taagtatatt caccaggaaa acatcgtagt ggaaggaaat tgtagtgttg tgattcaaaa 120
 gatccttcca cccaaacata aagaccctgg gagtgttaact attccttggt caattggaga 180
 agtcaccgtg ggaaaggctc ttattgacct gngagccagc attaatTTaa tgccactctc 240
 catgtgcaaa aggttgggag agttggagat catgcccact aggatgactt tacaacttgc 300
 tgaccgctcc attaccagac catatggatt aattgaagat gttttgggtca gaatgaaaca 360
 ntttatcttc ccggtagact ttgtggtaat ggatatctgt gaagatacta acattcctgt 420
 aatattggga aggccattca tgttaactgc aagctgcata gttgatatgg 470

<210> 11859
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 11859

atgcaagctg gaaggcaaac tggatgcatt ggttgactgg gtaaccacgc tggccttgaa 60
 tcagaaatct gtacctgtcg caagggtttg tggtttgtgc tgctatgctg accaccatac 120
 agacctttgc ccttccatgc agcaacctgg agcaattgag cagcctgaag cttatgctgc 180
 aaatatttac aatagacctc ctcaacctca gcagcaaaat caaccacggt agagcaatta 240
 tgacctctcc agcaacagat acaaccctgg atggaggaat caccctaacc tcagatggtc 300
 cagccctcag caacaacagc agcagcctgc tccttccttc caaaatgcta ctggcccaag 360
 cagaccatac attcctccac caatccaaca acagcaacaa cctcagaaac aaccaacagt 420
 tg 422

<210> 11860
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11860

agcttgacaa taaaccgact taggattnta agtattatth tgctattgga taaaattatt 60
 ttttaatcac aaattttact ttacaacatg tagattatga aaattaaaat tacaaataat 120
 agaagtgaag aataagtttt agttcatata ttacagaagg caaattttaa atatatcatt 180
 catttttata attataaact ttataattat aaaagatgta aaaaattatt catagttaat 240
 aattaaagta aatccatgac aaatgacaca tataaagcgt aataattnta tttatattta 300
 aaattcaaca aaaaaatcat tcatagaaga atatttaa ataatgaat ataattttta 360
 aaattggttc aatcaaattg gaaaacttga ctgctgagct atagtggaga tttttttttt 420
 caattatatn ttttctatct ataaaattta catctaagac cttat 465

<210> 11861
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 11861

tatgggtttta atttcgagca tctcgatata ttattggact caattggaca tccgagttaa 60
 aattttattgt cgtttgcatt tgctcagagc gttcgttttc cattacgagc gtctcgatat 120
 attacgagac ttaatcggac atccgagcta aaagtaattg tcgtttgcat ttgctcagag 180
 ctttcgtttt ccattacgag cgtctcgata tattactgga ctgaattgga tatccgagct 240
 aaaagggtatt cttgggttga tttgctacga gcttctgtgt tcaattttga gcgtctcgat 300
 atattacggg acttaatcag acattcttgt aaaatgatat tgctggtaga aatcgctcac 360
 agcttttgta ttcaatttct agcgtctcga 390

<210> 11862
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11862

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 tttttcaatt tcgagcgtct cgatatatta ttgcgcctgaa tctgacatcc gtgtgataag 120
 ttttgaccat ttttaatttgt cgagagcttc cgttggttcaa tttcatacct ctcgatatat 180
 tatgcgctcg aatcggacct ccgtgtgaaa agttatgaca atttgaattt ctcgcgatct 240
 tccattgttc aatttcgagc gtctcgatac atgatgcgcc taaatcggac atccgagaga 300
 agagttacta ccatttgaat tcctcgagag cttctcgtgt tcaatgtcga gcgtctctat 360
 atattatgct cctga 375

<210> 11863
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 11863
 agcttcttag tttcagatga tgcagatgag tttgtagtca cctcatgcac tcctctaattg 60
 actatagcat cttttttggc gctaaactgc tgggagtagg aagccatctt ctcaattaaa 120
 tttttggctt cagcaggagt catgtctcca agggctccac cagtggcagc atctatcata 180
 cttctctcca tattactgag tccttcataa aaatattgga gaagaagctg ctccgaaatc 240
 tgatgggtgag ggcagctggc acatagtttt ttaaactctt cccagtattc atacaggctc 300
 tctccattga gttgtctaatt acctgagata tccttcttga tgg 343

<210> 11864
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 11864
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 acaatgcgtc taccggggaa ggagagtctg ctgatgaaat ctcccataac cataaatgag 120
 attttggatg ttagcatttt gtttctaaat gaccatttag aggaaacact gggttcgcga 180
 aaaatagaag aaatccactc aaagtgtatc aatctgcac aggtaagtgt ttcacacctaa 240
 ttccgaacca tagatatgtc atgacttgac tttgcaaatt atttctatc aaatcaaaaa 300
 ttacatgcgt gatcatggat caaataggac ttcccttggg aatgggtttt atattatggg 360

tttt

364

<210> 11865
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11865

tgtgaacaag attcttgacc ggtccgggtt gggaccgtgg acgtatgtcc cggagggtct 60
cctggagatc cctcccagac taacgttggg ggaggcaagg aaggagacgg acacgggtgct 120
cttcgggggcc gtcgaagagc tcttgagaaa aaccgggtgtt gaagccaaag acattgggat 180
tcttgtggtg aattgttgct tgttcaatcc cacaccatct ctctctgact ccattgtcaa 240
ccggtacaag cttagagggg acatttttggc ctataatctt agtggcatgg ggtgcagtgc 300
tgggggttctt gctgttgact ntgccaaaca gtcctacag gttctctctc accatcatgc 360
taataaatta gtattccatg catttntgta ttgttttact gccatcacat atatatcttc 420

<210> 11866
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11866

agcttcattg acttttcata tagtatnttt ttatataaat aagtatcggt tagaaaactg 60
tgtaatttcc ccccaaaagc aacatttttc aatgctgtgt catatttttt aatatttctt 120
tacgtagtta tattttaaagc agtattttat agaaacaata aggagatctt tttaaaaaaa 180
aagttatata tattggaata aatgcatgtg cattttttta atatgtattc acacatatga 240
aaacaactaa tggcgatata ataaaaaaaa aaagttgtta gttaaagatta aaaaaacaag 300
ataattttat agcatgactc cggataaatg aaatgagtct cgctaggggt atgaattgga 360
ttatcaatta ttaaaagaga atcgcattta caagtaaaaa ataaaataga attgtatatg 420
ggaaacactt acatatatct cttttttata catatatatt 460

<210> 11867
<211> 405

<212> DNA
 <213> Glycine max
 <400> 11867

tgtaatttct gatcctcaga taacatatgt ggttaagggtt gggactggaa cgagtcacca 60
 atggccttct tgaggaaaga gacatgaaag accggatgag ttttactgtg agatggaaga 120
 tctaacttat aagcaacaac acccacctta tttaacacct ggaaaggacc ataaaatcga 180
 ggggagagtt tttcattaat ccttttagcc aaggatcttc tcttgtaagg ttgcatcttc 240
 aagaacaccc aatcacogac tgtgtattct atgtcctgac gacgtttgtt ggcatttgct 300
 cgcatgatat cttgagactt caacaaattt ctcttagagt agccataatt atcctaacca 360
 ttggtagtgt attgacttct tcatgcggga ggaatgggga tccct 405

<210> 11868
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 11868

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 ataagataag attggatgaa ataaaatcgg gataaaataa aatctagatg aaataaaatc 120
 tagataagat aagatttgat aaaataaaat tgtctgctct cttcaagtcc aagcccaatt 180
 ctggattcaa gctcaattgc ttataattct cctgaaatta aattaaaaac acaaaatttg 240
 ttaagtaggc ccaaagata aaactgcata attaatattga caattaaggc taatcagtaa 300
 ttaaaatggt gacaaaaaag gttaagaaat aggagaaaat aatgacacat caagtgcaaa 360
 ctatggatct ttcaccagtg gcaat 385

<210> 11869
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 11869

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 atgttaacaa tgccttcctt aatagcactc atgaagagga agtatacatg tcacagcacc 120
 tgggtttgtg ttttctaaca agcagcaagt tttgcaagtt acacaaggcc atctatgggtc 180

taaaacaggc cactagagcc tggtttgaca aactcaaaac tacccttctc agttttaagt 240
 gtttccagca aatctgatcc ttactattg gtgttttctg ataatgctgt tgttgtatat 300
 attcttgtct atgtagatga tataatcatc actggaaaca acaccaagtt gattaattct 360
 tctgtacgtc tgctaaatct tgtatttttc tcttaaagaa cttggtgact tggacta 417

<210> 11870
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11870

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 agcgtaaaca tgttgttgtg cttgaattat ttattaaaat taattgtatg tttatttttg 120
 tatttaagca tacaatatta agctaaacta aataatttat gcatattaaa tttaatgggt 180
 aagagtttat atgtttcaaa tattagataa tcatatgcat ataattttta tttatttttg 240
 aagttttgtg tgtatgattt atgattttat acatgcgana ttatcttgaa tattttatac 300
 aatattattt ggggtatttta cattatgtaa aatattatat gaatatttaa ctctattaa 360
 gaatgaatgg taagtattaa atataatttt at 392

<210> 11871
 <211> 291
 <212> DNA
 <213> Glycine max
 <400> 11871

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 gggctcttca atatcttact ttactcaga ctgatataac ttatgccgtg cagcaaaatt 120
 gtcttcatat gcatgctccg acaaatgagc atatgagtgc tctcaagcgt atcatatgct 180
 accttcaggg tactttatcc catgggtttg atttgtacaa atccaccatt gatagactaa 240
 tctcttatac agatgctgat tgggtgtgggt gtcctgacac ccatcgttcc a 291

<210> 11872
 <211> 390
 <212> DNA

<213> Glycine max

<400> 11872

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tactgtgct aagccccgca tctttacggt aattgaactt taaccagtgg gcttagcatg 120
gatgatgcac taagcgccac ttcttcttga gaaaaattta tcgtagcaac gctaagcgca 180
ctatcctgcg ctaagcccta gatccattct gtaacttgag tttttaagct gggcttagcg 240
ggccagattg aaggtgtaga ctttgatgaa acgtttgccc cggttgctag acttgagtcc 300
atcagattgt tacttggtgt agcttgcatc ctcaaattca agctgtacca aatggatgtg 360
aagagcgcgt ttctgaatgg atacctgaat 390

<210> 11873

<211> 404

<212> DNA

<213> Glycine max

<400> 11873

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tatttgtttg atcaaaaaga gcttaacatg aggcagagga gatgggttaga gttccttaag 120
gattatgatt ttgagcttag ctatcatcca ggtaaagcca atgtagtagc tgacgcctta 180
agtagaaaat cccttcaa at gtctgctttg atgggttaaag agttggacct cttagagcag 240
tttagagaca tgagtttggc atgtgagatc acctctagta gcattaagtt gggtaggttg 300
agagtcacca gcgaactttt gagcgagatc cgtgagggtc aaaagtttga ccgattcttg 360
tcagcccacg tagaatccat agtcgcaggg agagagagta gttt 404

<210> 11874

<211> 416

<212> DNA

<213> Glycine max

<400> 11874

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aattctcatt gtaattaatt ttcaatgtca atttatatctt taaaaattgc acaacacaaa 180

actttctata atgagttgta atttccaagg tattacatta gtcattacaa attatgttta 240
 ttttgccttt tgtaacattt ttttaactat taagaaaata tgggttattat ataaaaaaat 300
 atagatattt gtatcttttg aatattttat acgtcagaca caaaactgtc ctataattta 360
 tcgagtaaaa agaaaataag ctttattcta ttgatttttt atctcatata tttttt 416

<210> 11875
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 11875

ttatcacata aaattacatg ttattaaata ttttaattaat tacttaagtt aaatgttatt 60
 gtaattaatt tcaatattaa ttatatctcc acatatcaca caagtacaaa actttatata 120
 aaataagtta taaattttat ttatgatgtt accagcaaga ctatccgatg acctgtgatc 180
 cattgaattg tcaactagga caaaaataat acacagacaa ttatgtgagc aacatatatg 240
 acatcttaga atcatcaata tgagatataa gttgacatat tcaagtgtaa atattatgag 300
 taatattata ctagaccaac tcaactgtgag aagacttcaa aatagttaag taaatgtcat 360
 gataagtgtc tcttatgata attatattat gtgataacta catcatatat g 411

<210> 11876
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11876

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 gtccacttgg accccatttc taccaactac aaaacctaag aagactatat tatctacaca 120
 aaaggtagac ttctctatat ttgcatagag ggtgtttttc ctaaggactg aaagaacttg 180
 cctgagatgt ccgaagtgat catctaggct cctactctac actaaaatat catcaaaaata 240
 aacaactaca aatctaccta tgaaatccct taagacatga tgcataagcc tcataaaggt 300
 gcttggtgca ttagtgagcc caaaaggcat cactagccat tcatacaaac caaacttggt 360
 cttgaaagcg ggtttccact catcaccctt tttc 394

<210> 11877
 <211> 455
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11877

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attacatagt tgaatcaaca tcattaccaa tgtgattaga atgataaaaa aacctaacaa 120
atgaaatcca acacatcaca tgataattag aaaaatgcaa taacaataaa gaataggaat 180
attataaatt agatatacat aaattaatat tatgtacaga gcaaaaatgt ccaacaatt 240
taacaacatt tttgttgatc cataaaatat cataatttgt gcctaaatcg gaaccaatct 300
agatccaagt gtgatTTaaa aaccataatt cttaaaaaga ataaattatt ctacattgtg 360
aaacatattc aatgatctag cacacaaata cattgcaacc ataataaaat aatgttagct 420
atcaacaata aaaactcaaa acanaaaaat atgtc 455
  
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<210> 11878
 <211> 387
 <212> DNA
 <213> Glycine max

 <400> 11878

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tgttttcaaa gtgtttcttt agattttgga tcatggtaga ctgacaaatt gcctatgaaa 180
agttgtggac ttcaagaaaa ctattattat aataacttta aatattggat ttggtacta 240
gtccaatgat atacagagta agataccaca agtggaaatg acaagcagac ccaagaggaa 300
aaatatcaac accaaaagtat ttagcatatt ataattgatt tatgtcttgt attaagagta 360
tgaataatta aggtctatgg agacata 387
  
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<210> 11879
 <211> 355
 <212> DNA
 <213> Glycine max

 <400> 11879

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gcaaaatgga gaaggaagaa agatgattgg agacgccact tcaaggagaa gatgagtcaa 120
gaacaagctt accaccatag gaagcaatgg ataagagctt gaaggtagga gaagataagt 180
ggagggagaa gaagaaaaag agcacagaat tttatgcctc aaatgaggtc taaactttga 240
agtgtaatc tcaaagatc aaagttgaaa aaatgcatac acaaggcctc tatttatagc 300
ctaagtgtaa tacaaaatta gaggaaaatt tgaatttcta ttcaaatttc acttg 355

<210> 11880
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 11880

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cccagggttca taacaaattt aaaaaattta tactcgattt ataaaaattaa caagagattt 120
taatttcaag ttctagttat aaaattacat taaatattta aagaaaaaat taatcaccta 180
taatgattat ataaaactcg agtatgggtc acaaaaaaca aatgaaacat tgtcttttaa 240
gtctaagttt atattttttt gttaactntg tatttttaac atttgagaca tagaactgta 300
cgtactagca agcagcggca cgttgagtaa gtctaggaat acacgtgaga tccaataaat 360
agaaattaaa aaatatttgg aaaacattaa atttaaagggt tatttatata taata 415

<210> 11881
<211> 260
<212> DNA
<213> Glycine max
<400> 11881

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ttgttagctt tggttttag tctgtccatg cttcaaatgg agtctttttc tgcaaagctt 120
ttgttggtaa cctattcagc aaaaaactgt tgtgtgtgca gcctctgccc aaaattcctt 180
tggtagccct ttgtcatgaa gtaagcacct tgtcatctcc ataattgttc ggtttttcct 240
ctcgacaaca ccattctggt 260

<210> 11882
 <211> 254
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11882

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 aacttgacgt caacaatgct ttccttcatt gtgatctgca tgaggaagta tatatggatc 120
 tgcctcctgg gttcttgagg cctgggttctt cttctaataa agtctgcaaa ttacataagt 180
 ccttatatgg actgaaacaa gctagcagac agtgggttctc caagttatcc actgctctta 240
 tctcccttgg atac 254

<210> 11883
 <211> 247
 <212> DNA
 <213> Glycine max

 <400> 11883

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 agtcataatt attcacacgg atgtccgatt cgggcgcata atatgtcgag aggctcgaaa 120
 ttgaacaacg gaagctcttg agaaattcaa ctggtataac ttttcacacg gatgtccgat 180
 tgaggcaaatt cacatatcga gacgctcaaa attgaacaac ggaagctcct gagaaattca 240
 aatgggc 247

<210> 11884
 <211> 261
 <212> DNA
 <213> Glycine max

 <400> 11884

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 tgcttgaaga gattccaaga agaagaaatc aatgataggg agaagcaaga gaagcgagaa 120
 tccatatgga aacaactgga agatgttgct gcagctaatt ctgtaagcaa tgaggccatc 180
 cttgtctcaa gatttggtgc ctctgttgca attgctacca gtgctaatac attggcaact 240
 gcagggtggtt gagagccatc a 261

<210> 11885
 <211> 192
 <212> DNA
 <213> Glycine max

<400> 11885

agcaccaacc tgacagcggg ctggatctcc ctggatgtaa tggtcgggctt cttgttatac 60
 ctgcgcgagac gcgctgcttc ctgcgcgaagc ttctcgaata tatcgttgat gaagctgttc 120
 atgatcccca tggccttgct cgaaatgccg atgtcaggat gtacctgctt cagcaccttg 180
 aatatgtaga tc 192

<210> 11886
 <211> 224
 <212> DNA
 <213> Glycine max

<400> 11886

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 tcacttgaat caagaaaaga gaattctgaa atatgtaaat ggcaccagag actatgggat 120
 tatgtactgt cattgatcat attcaatgct gggtgggtat tgtgatgctg attgggctgg 180
 aagtgcagat gacagaaaaa gcaattctgg tggatgtttc tatt 224

<210> 11887
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 11887

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 ccatttctac caactacaaa acctagaag actatattat ctacacaaat ggtatacttc 120
 tctatatttg catagagggt gtttttcccta aggactgaaa gaacttgctt gagatgtcct 180
 aagtgatcat ctaggctcct actgtacact aaaatatcat caaaataa 228

<210> 11888
 <211> 190
 <212> DNA
 <213> Glycine max

<213> Glycine max

<223> unsure at all n locations

<400> 11891

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gcacgttgac aaggaggatc angagctggt ccattctcgg gcttgtacag tatccacggt 120
ttcaaccctt caagcccctg agctacgtag ccganagtag accatgagct cgtgaccaac 180
atgtcgggtca agctc 195

<210> 11892

<211> 250

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11892

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tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatatat tgacttcac cttcttggag 180
actagacatg tggaggagta actggtttct tgagggtgcc ataggtaaca gttgtccttt 240
gatctgctgc 250

<210> 11893

<211> 296

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11893

gatgcatggg agaatcctga aatcactcat gaaggaacct ccacagtga gatgtccaga 60
atgcaactct tggctacaaa attcgaanat ctgaagatga aggaggaaga gtgtattcat 120
gacttcacac tgaacattct tgannatgcc aatgcttgca ctgccttgng agagaggata 180
acagatgaaa agctggtgag aaagatcctc agatccttgc ctaagagatn tgacatgaga 240
gtcactgcaa tagaggaggc ccaagacatt ngcaacatga gagtagatga actcat 296

<210> 11894

<211> 294

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11894

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 atggcgagac tcacgaaggc caacacgttt agccttttca atgtactctg gacaaaattc 120
 aatggcttct tctgcaatgt acctttcaac aatagatggt tccggatgat gtaaattctt 180
 ggtataccct gttaagatct tcatgtatcg ctcaaccggg tacatccact gcanataaac 240
 aggaccacaa catangtatt ctctgaccac atgaacaatt aagtgaatca tgat 294

<210> 11895
 <211> 250
 <212> DNA
 <213> Glycine max

 <400> 11895

 agccattctc ctttaactgc acaaggctct taatatttaa agagtatcct tgtggaacct 60
 tcaccagcgc aagacactga aaaaaaaact tatcttctcc tttttggaaa aagtatgaca 120
 agctgggggc aagtaaattt tcttcccatt agaccttgga tgcagctgtg atcgtgtccc 180
 catctcagct agatcttgac ggggtattcaa gccatccttc gtcttgctt gaatgttaag 240
 gagtgtccca 250

<210> 11896
 <211> 212
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11896

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 tgaacagctn gaagcttatg ctgcanacat ctacaataga cctcctcaac ctcagcagca 120
 taatcagcca caacagaaca attatgacct ctccaacaac aggtacaatc tctgggtggag 180
 gaatcatncn aaacagcagc aacaacaatc tt 212

<210> 11897
 <211> 327

<212> DNA
<213> Glycine max

<400> 11897

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gatatcttaa aaaggggggg ttgaattaag atatcacaac ttatttcccc aattaaaaat 120
tctagttatc tttctattcc agttataaat tcccttaata atgaatttct taaatattga 180
ttcaaatata acaatttgaa tataaatata aaacaataat aaataaagga gtttaagggg 240
agagaaaatg caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300
ccccaagcaa cccccttgag agttcca 327

<210> 11898

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11898

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caacagtcac attntnttat ctgtttctta aatggtcac aaaggcttat atatatgtga 120
cttgagacac gaatttaaca agagttttca agagcaaaaa ggtcttatcc tcttaaaaag 180
cagaatagtt ttatcctctt acaaattcct tggccaatac acttgtgatt caataaagaa 240
ttatttgagt gctcaaattg ttcaatctat ctctttcaag agagatttct tcctctcttg 300
anaagggatt aagagaccga gggctctctg ttgtgaaaga attctaaaca c 351

<210> 11899

<211> 328

<212> DNA

<213> Glycine max

<400> 11899

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ggagaagaag aatatggcat tcaattgggg tgaaagacaa gagcaagtct tttctttgct 120
caaagaaaag ctcacccttg cccctgatct aactcttcct aacttttcta aaacttttga 180
gctataatgt gatgcctcta aagtgggtgt gtgagttgaa ttgttgcaag gtggacacct 240

tattttcttat tttagtgaaa aaattcatgg tgccaccctc aactaccca cttatgataa 300
agagctttat gcctataata agagccct 328

<210> 11900
<211> 322
<212> DNA
<213> Glycine max

<400> 11900

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aaggaagctc tcgagaaatt caaatggtca tagcttttca ctgcgatgtc cgattcaggc 120
gcataacata tcgagacgct ctaaattgaa caacatattt tttcgagaaa ttcaaattgg 180
cataactttt cactcggatg tccgattcac gcgcatagcg tattgagacg ctcgaaattg 240
aacaacggat tttgttgaga aatccaaatg gtcgtaactt ttcactcgca tgtccgattc 300
acgcgcataa catatgtaga cg 322

<210> 11901
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11901

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gataaaggta gtgttgccat gttttcaaag cccgtactaa tgcatacaac tccttatcat 120
aagttgaata gttaagggtg ggaccactta acttttctact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatcccaa catntgaagc atcacactca tattcaaaag 240
atttt 245

<210> 11902
<211> 326
<212> DNA
<213> Glycine max

<400> 11902

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cctgggttcaa gcacgacttt ctttctgctt ttgttggtt gccttgcata gctcgcattt 120

ttcttttcaa tttgaacctt cacttgctca tgcaacttct tcacatactc agcttttagcc 180
 tgtgcatcct tatgcttaaa cataccaatg ttaggcatag gcaacaaatc aagaggagtc 240
 aaaggattaa atccatacac tatctcaaat ggtgaacaat tagttgtgct atggacagcc 300
 cgattataag caaactcaac atgagg 326

<210> 11903
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 11903

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 taaaaagtta ttgtggtag aattcgact gaggttcaac attcaatttc gagcgtctcg 120
 atatatgacg ggactcaatc atacatccga gtaaaaagt attgtcattc gaattggctc 180
 agagctttca acattcaatt tcaaacgtct cgatatatga cgggactcaa tcagacatcc 240
 gagtaaaaag ttattgtcgc ttgaatttgc tcagaggttc tacattcaat ttcgagctta 300
 tcaatatatt accggacttc atcatacatc 330

<210> 11904
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 11904

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 aactcgaatc ctatgtaaat gaggatcata gcatataaaa cctttttgat gggttgagta 180
 accaagaaaa acacatttaa cagattgagc tgtgggttg gtgtgttcta gtggctaaag 240
 atgaacatag tagacacaac caaaggtgcg aagagtggaa taattaggtg gcttaccaaa 300
 taaccttaag aaaggggaat cattatttaa ggctt 335

<210> 11905
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 11905

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cgtagtatat cgtgacgctc gaaattgaaa acataaggctc tgagcaaatt caaacgacaa 180
taacttttta ctcagatgtc cgattgagtc ccgtagatat atcgagatgc tccaaattga 240
aaatagtagg ttcttccaaa ttcaaaccat aataacgttt tactcggatg tctgattgag 300
tcccgtacta tatcgagacg ctcgaaatt 329

<210> 11906

<211> 326

<212> DNA

<213> Glycine max

<400> 11906

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gaggatggag aattgcacta agcaatcact acgcacggct ccaagctcca ggggtggagga 120
cgcatgaacg aaaaagcaat tcatggggct cccaaaaagg gttgaggatg gagaattgca 180
ctaagcaatc actacaaacg gtcctaaact cgtgggtgaa ggacgcatga acgaaaacgc 240
cattcatggg gtcctgaaaa aggggttgagg atggagaatt gactaagca atcactacgc 300
atggctcaa gtcctgggt ggagga 326

<210> 11907

<211> 326

<212> DNA

<213> Glycine max

<400> 11907

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tttcacattg tctgtccac catgaaaccc ccagatgtcc aagaggatca catatttctg 180
aaggcttttc ctcatcatt aaagggagtg gcaaaggact ggctgtatta ccttgctcca 240
aagtccatca cgagctggga tgaccttaag agagtattct tagaaaaaaa ttccctgct 300
tccaggacca cgagcatcat gaagga 326

<210> 11908
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 11908

agcttgagga tgatgttagt tttattcgtc agtgctttga ccttccgcca ccatcctcat 60
 agatttagat tattattata ttttggtttt taagccttgt atttggtat gtttttatga 120
 catttgaaca cttagtattt cttttaatat ttgcttagta tgattgaaca tgatgataat 180
 atttacttgc tcttggttgt ttatggttat ggttggttaa ctttaattatt ttgatgatat 240
 atatgtctag tggatgttac ttacatttgg tattgtgctt tatgtatgta ttagaattat 300
 ttatgtatga tttattttac acactttgg 329

<210> 11909
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 11909

agcttgtagg ccttggtatc tctttatcaa tggattcctt tgcttctttg aagatgaatg 60
 acagtggaat ggataaggaa gagagagagg agatgccact tcaaggagaa gattagtcta 120
 gaagaagctc accaccatag gaggccatgg ataagagctt ggaggaagaa ggagatgaat 180
 gaaggagag gaagagaaca gcacaaaatt ttgtactcta aaagcgctat gaaatctgat 240
 gtttaattat caaatgatca aagttgaaaa aatgcgcaca caagacttct atttatagcc 300
 taagtgtcac acaaaattgg aaggaaattt 330

<210> 11910
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 11910

agcttatgct gcaaacatct tttacagacc tcctcaacct cagcagcaaa atcagccaca 60
 acagaacaat tatgacctct ctagcaatag gtacaatctc ggggtggagga atcatcccaa 120
 ccttattttc aaaatgatgc tggccaagc agaccatagc ttctccacc aatccagcag 180

caacaacaac aacaacccca gaaataccaa acagttgagg cccctccgca accttccctt 240
aaagaacttg tgaggcaa at gactatgcaa aacatgcagt ttcaacaaga gaccagagcc 300
tccattcaga gcttaactaa tcagatggga caatt 335

<210> 11911
<211> 332
<212> DNA
<213> Glycine max

<400> 11911

agctttggag ttaccaagtg tcatttcgtc ttcttctttt gaccagtctt cttctggctt 60
caattcatca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
gacagctttc caagttctgc tatccagtga tttgaggaag gccaccatcc ttgctttcca 180
gtattcatag ttgggtccat ccagaattgg tgggtctgtc actgggtctc cttctttctc 240
catgttcac atc agaatttatc tccctagatc tcaactcagt atttcgagt cccgctctga 300
taccaattga aattctgata ctggggacag at 332

<210> 11912
<211> 354
<212> DNA
<213> Glycine max

<400> 11912

atacagtaga ccgacctgc tggcatgcta gcttgatagg aaaatttctt tgggaaattc 60
actagtatct tggaattaca agaaacaagc ttgtgtagca ctatccacta caacagcaaa 120
atacattgaa attggaagtt gatgtgctaa atgtctctat atgaaacaac aacttggaga 180
cattgcggta acccttgatc ccattcctct aaaatgtgac aacataagt ctattaatct 240
gtctaaaaa at cgggtcatgc attcttgaac taaacatata tagattagac atcattttct 300
aataaatcat gtataaaaag gagattgat cattgagtg gctgatagt aaca 354

<210> 11913
<211> 332
<212> DNA
<213> Glycine max

<400> 11913

agcttatgca gcaaaagtgc ttacatgagt gtgtgtttgt gccatacttt ttatcagaca 60
 acccgtagta gtttgcaccg tactttcatg tcgtactttc tgttcgaccc caataacgtg 120
 tcaaagttgt tgagcaagct tagcgtggcg cagtgtctaca acaccatcaa gtcgttggcg 180
 tatgagacgg aggtgcgttt gcgcgacccc atgtatggct gcgtgggctt catcttgctc 240
 ttgcaacaat gactatgcga aatcacaaca aaggtacaca acgcgaagga gttatcaacc 300
 tacctcaacc ctaggccatg caggttcttt ta 332

<210> 11914
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 11914

tcgtctcgat atattacagg tctcaatctt acatctgttt gaaaaaagtt attgtccgtt 60
 ggaattgctg agagcttcaa cattcaattt tgagcgtctc gatgtattac aggacttaat 120
 cagacattcg agttaaaggt tattgttgtt tgaatttgcg gagagcttca acattcaatt 180
 ccaagcgtct cgatatttta cgggactcaa tcagacatcc gagataa 227

<210> 11915
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 11915

tgattgagtc ccgaaatcta ttgagacgct cgatattgaa tattgaagct gagagctaata 60
 tcaaacgaca ataacgtttt actcggatgt ctgattgagt cccgtaatac atcgagacgc 120
 tcgaaattga atgttgaagc tctcagcaaa ttcgaacgac aataactttt tacctcagat 180
 gtctgattga gacccgtcat atatcgagat gatcgatatt gaatgctcga actctgagca 240
 aattcaaacg acaataatga tttgctcgga tgtttgatag agtcccgtaa taca 294

<210> 11916
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 11916

agctttatca aatgtggcat ttgaggtaat taatgatata aacttttatt atttgagcag 60
agatttcgat ggacaaatta cacacagaaa atatgatttt gctaattatg ttaaattctt 120
aatttgaagg gactgctaac cgaaggtttc ctttggatcc cctctttggg tggtcctact 180
accattgctg ctagacaaaag tggagctgga atttcttggc tttttccatt tgtggtgaaga 240
aagatatctt ttgcttcata gttgaaataa taagttgtag ttgggctttt tccccctaata 300
cctgtgagtc attatgatct ttcg 324

<210> 11917
<211> 325
<212> DNA
<213> Glycine max

<400> 11917

agcttgaagg caaactgggtt ttattgggta acttggtaac ccagctggcc ttgaatcaca 60
aatctgtacc tgtcgcaagg gtttgtgggt tgtgctcttc tgetgaccac catacagacc 120
tttgcccttc catgcatcaa cctggagcaa ttaagcagcc tgaagcttat gctgcaaata 180
tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aattatgacc 240
tttcagcaa catatacaac cctggatgga ggaatcacc taacctcaga tggtcagacc 300
ctcagcaaca acaacagcat cctgc 325

<210> 11918
<211> 322
<212> DNA
<213> Glycine max

<400> 11918

tagcttgtgc ctatacacgt atgttatgtg aatgtagcat ataaatcgcg aataccctta 60
tgtgctttga tgatggctat ttcccgtcc tagcttcaat tggagttatg tcttttacag 120
acttagtagt acatctgttg agtatgtaaa cagaagtgtg tactgcttca acccagaatg 180
tgtaggttag tcccttatcc ttgagcatcg atctaaccat tcctataact gtgcgattct 240
ttttattgga cactccattt tgttgaggag aataagcgac tgtaagtagg cgctcaaaac 300
ctttattctc acaaaatctt tc 322

<210> 11919
 <211> 331
 <212> DNA
 <213> Glycine max

<400> 11919

agctttacatg aaacttccta ttgttatgtc ctcaccgtta cctaattattg tttgcaagct 60
 aaaacgttct ttgtatggat taaaacatgc accaagagtg tggtttgaaa agtttagcac 120
 aacactactt ggcttttcct tcatccaaag tagctatgat ccattctttat tcctataaaag 180
 gacctcaaaa ggaattatga ccttccttgt ttatgtagat gacattatcg tcactagctc 240
 agatcaagag gctatcacta caatcaagca attgttgcac acaactttca acatgaaaga 300
 tcttgacaaa ctcacttatt tcttgggatt a 331

<210> 11920
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 11920

agcttggcga cactttttta agattgaatc ctataatgaa ggaggaagta agaaaagaag 60
 tgctcaagtt attagaggca ggccttatct atccaatttc agacagctca tgggttagtc 120
 ctgttcaagt tgttccaaaa aaaggaggga tgacagtaat aagaaattat tgaaatgaac 180
 taattcctac cagaacagtc ataggatgga gaatgtgcat tgattataga aagcttaatg 240
 aagccacaag aaaagatcac taccacttc ccttaatgga tcaaagctt gagagacttg 300
 cagggaatc tttctactgt tttt 324

<210> 11921
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 11921

agctttgcta cgataaccac ttggactgga ctcacccact ggctgtcaga aatggggtaa 60
 atgattccag cttgtaagag cttggtcacc tcctttttca ccacatccag aatgacgggg 120
 tggagttgcc actgaggttg cctcactggc ttatctccat cttttaaag tctcctatgc 180
 atgcaggtag atggtctaata accaggaatg tgtgctaaaag tccatccaat ggctttcttg 240

agaactagcc acaacttctc ctcttgetca gcatcaaggg aggcatagat gatcactgga 300
aatttttctt tgtcctccaa g 321

<210> 11922
<211> 326
<212> DNA
<213> Glycine max

<400> 11922

agcttgtagc ctataatgat tatgattggg ctcaaatga tgatgatcaa agaagtatta 60
atggatttga gtttttaagg gggaatccaa ccttcctgga atgaaaaaag cctcaatttc 120
ctttttactc gtgaggggca aaacccttaa aagtaacatt aggccttcgt cctgtaatcc 180
ggcttagaga attgtaaaaa gagtgggaca tgtcacaaga cgatcagacc atcacctttg 240
gggataataa gtcaaccatt gctctagtaa acaacctcgc gttccgtgat cgaagcaaac 300
atattggcac tcgttaccac tacata 326

<210> 11923
<211> 330
<212> DNA
<213> Glycine max

<400> 11923

agctttgatc ccaaagaagc ttgccatgac cattatcttc aagcccatca cttttcccaa 60
cacacaaaca aaaggggtata gaagaaccaa aactatgggt cttataagcc ccctgcctc 120
aaaggccacg agcatgaaat atgggaacaa agaagaggat ttcaacaacg cgttttcgac 180
ataaaagatc aacgtgtgat cgttgaggtc tgatcgggtg attaaagagg ggaatttcag 240
gtatttggtt aactgtgttg gtgcacccga aaaagaattg ctaatgggtc tgtggaaacg 300
gacgaggttc ctgagttgcc taaagagaaa 330

<210> 11924
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11924

aagctttcttg aagccgttct cataactggc aaccgaatga atgatggaac tntccgcggt 60
 ggtgcacaag cattttaaact tgatacactt ctgaaattat ctgatgtaaa aggaacagat 120
 ggcaagacta cactcttaca ttntgttggt ctagagaata tccgctccga gggcataaaa 180
 gccatcagaa aggcaaaaga gagccagaaa tcgtctagta ttaaattgga tgaccttcac 240
 gatagtaccc gagaaacaga agatcgctac catgaaatcg gtcttcatgt ggtttcacga 300
 ttgagcagtg aacttgagaa tgtaaaaaaa gcagcaatta tatatgctga cagcttaaca 360
 ggaactact 369

<210> 11925
 <211> 326
 <212> DNA
 <213> Glycine max

<400> 11925
 agcttctcag atgtcattgg tatcattgac cttgtggcag caagattgcg tctgtcctc 60
 ccttgccctcc gaacaccatc tccatgttct tccccagaaa caagcttatt ctttcttggt 120
 ggcaatacca tattagacac cttttgaaca ttttgtccag atttctggtc tatctcttct 180
 gctttcctac ccttttcttt tggtttaaca tcagccaccc ctgactcttc actttcagat 240
 aaggcagctg aagatgaagg atcacctttt agtttaattt gctgaggaga actgccagcc 300
 aagcgtctgg caaattctaa cccaag 326

<210> 11926
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 11926
 agcttatgac cattttaatt tttttttagt ttccattggt caataaccaa tgtctcgata 60
 tattatgcac ctgaatcgga aatccaagtg aaaagttatg accatttgaa tttctcgagg 120
 gattttgttg atcaattttc agacgtctcc atatatggtg tgccatgaatc ggaccttcgt 180
 gtgataactt atgaccatct gaatttcttg agagatttcg ttgttcaatt tctagcgtct 240
 cgataaagga tgcgcctgaa tcggacatcc aagtgaaaag ttatgaccat ttgaattgct 300
 cgtcagcttc cgttggtcaa tctccagc 328

<210> 11927
 <211> 328
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11927

 tagcttcaca aaagtttata ttgcttgaaa caagcaccgt tgcagtgggtg caagaagttt 60
 aatgagttaa tgagcaactc gggattcaaa agatgtgaca tggaccattg ctgctatgtt 120
 aagaaatata ctaatagtta tgttatcttt gtcgtgtatg ttgatgacat gttgactgtg 180
 ggatctagta tggcnnaaat taacaagtcg aagcatcagt tggcagaaaa ctttgaaatg 240
 aaggatcttg gtccagctaa acaaatcctt ggtatgagaa ttcttagaaa cagatcataa 300
 cgaatcttgt agctgtctca cgagaaat 328

<210> 11928
 <211> 255
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 11928

 tagttcaagt ggcactcttg tgcacacaat atctttcggg ccacaggccc aaaatgtctg 60
 atgttgtagc catgcttgaa ggtgatgggc ttgcagagaa atgggaagcc tcacaaagtg 120
 ctgacactac caagtgcaaa ccacaagaac tctcttcacg agataggtat tctgacctca 180
 ttgatgactc ttctttgtta gtccaagcca tggaactctc aggccctatg atgtgaacct 240
 tacgngcgg atcgc 255

<210> 11929
 <211> 330
 <212> DNA
 <213> Glycine max

 <400> 11929

 agcttcaaca tcaggattct tttaatggct atggcggata tcaccatgac cgtaattaa 60
 gaaaaaatt atatttaagc atctaattaa agtaattatt tttagggata taataagaac 120
 atttatctat aatgcaccta attaaagtaa ttatctttag agatcatatt ataatatata 180

tctataatgt gtctaattaa aataattatc tttagagatc atattaaaat atatatctat 240
 agtgtgccta attaaaataa ttgcatttag aagatctata aatagttgga gtttgaactc 300
 tcgggattcg aaattcatta tacattttac 330

<210> 11930
 <211> 196
 <212> DNA
 <213> Glycine max
 <400> 11930

atctcaagac taactatgac aggatttttc ttgaagaaat agctcaagcg gcactctggt 60
 gcacacaata tcttccgggc cacaggccca atatgactga tgttgtagcg atgcttgaag 120
 gtgatgggct tgcagagaaa tgggaagcct cacaagtgct tgacactacc aagtgcaaac 180
 cacaagaact ctcttc 196

<210> 11931
 <211> 329
 <212> DNA
 <213> Glycine max
 <400> 11931

agctttccat tctcttggga gttcatcatt ggatttgact tcttctggag gatcttcatt 60
 gattcctttg tcatttcttt tggaatcttg ttcattgaatg ttcattatgtt ctaaagaatc 120
 tgcagtgtca tctagcatat tctttcttga caatatatca ttagattcat caaaggtaac 180
 atgaatggat tctctgatat acatagttct tttattatat atcatatatg ctttgctttg 240
 taatgaatat ccaagaaaaa taccttcac agattttgca tcaaattttc ctagattatc 300
 tttaccatta ttaagcacia agcacttgc 329

<210> 11932
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11932

gcgcctgaat cggactgtgc tttgagaaga tatgaccatt tgaatntctc cagagctttc 60
 gttgttcaat ttctagcgtc ccaatatatt atgcgcctga atcggaactt cgtctgacaa 120

gttattacca tttgaatttc tcgagagcat atgttggttca atttcgagcg actcgatata 180
 ttatacacct gaatcgggca tccgtgtgac aagatatgac catttgaatt tcttcagagc 240
 tttctatggt aatttcgagc gtgctcaata tattatgcgc ctgaatcgga ctttc 295

<210> 11933
 <211> 446
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11933

agcttctcga tatattatgc acctgaatca gacttccgtn tgataagttg tgaccatttg 60
 aatttctgga gagattccgt tgtgcaattn tgagcgtctc gatataattat gcgcctgaat 120
 tggacttccg tgtgattagt tatgaccatt tgaatttctc gagagcttcc ggtgttcaat 180
 ttccagcgtc tcggtatata atgcgtcaga atcggacttc cgtgtgacaa gttatgacca 240
 tttgaatttc tcgagagctt tcgttgctaa atttcaagcg tcttgaatat aatgctcctg 300
 aatcagactt ccgtatgaga agtcatgacc atttgaatct ctcgagagct tccgtggatc 360
 aatttcaagc tgctcgaata tgatgccctg tatccgactc cctgtgaaag ttataacctt 420
 taattcccaa agcgcgtttg ttaata 446

<210> 11934
 <211> 409
 <212> DNA
 <213> Glycine max
 <400> 11934

agctcgggaat gtagtcatac cacacaaaat atatatatgt atgttgaggt agaaagataa 60
 cttagatatg catgtatgta aacaaaaaca cacttcacaa aatatatata tatgtatggt 120
 taggtagcaa gataccttag atatgcatgt atgtagcaaa aagatacctc acaaaatata 180
 tatatatatg tatggtagca agataccttg gatatgcatg tatgtagcaa aaagatacct 240
 cacaaaatat atatatgtat gtttaggtag caagatacct tggatatgca tgtatatagc 300
 agaaatacct cacaaaaata tacacatggt taggtagcaa aatacctcat gaaaaaaaaa 360
 aaaagcaaac tagagaaaga aatacacaaa tgataatgat caaaaaaaaa 409

<210> 11935
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11935

cttgtacaag aatgaagctc taataccact tgtagacaa gtggcctcag atatcttaag 60
 aagggtggggg ggttgaatta agatattgca aactatttcc ccaattaaaa ttctatttta 120
 atttcaatgc aagttccaag ttcccttaaa aatgaacttt taaatgatga ttcaaactaa 180
 acaatctaaa tacaaatgta aagcaataat aaataacaga gtttaaggga agagaaagtg 240
 caaactaaag caatctaaat acaaagttaa agcaataaat ccctaagcaa cccgcttgag 300
 agtttcacta tcttgtaaaa tccttttaca agttctgaac cacacaagga caaatcctcc 360
 tttgtgttca gatttcttta caacaagaga ccctcagtct ctcaatccct tngagaataa 420
 gatagaagag aagaataaat ctatctcgaa agagatagat tgtacaactc gagcactcaa 480
 ttaattcctt attgaat 497

<210> 11936
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11936

aagtcacctg cggcatgcaa gcttagactg agttcagcct accatcctca tactgatggc 60
 caaactgaac ggaccattca gtcattggag gaccttataa gagcatgtgt cttatagcag 120
 aagggaagct gggagggttt tcttcattg atagagttca cttataacaa cagttttcat 180
 tctgccattg gcatggctcc ctatgaagct ttgtatggta gaagggtgtag aacaccctca 240
 tgttggtag agcccgagga aggcctcaca ttaggaccag aagttgtaca acaaaccact 300
 gagaaagtta agttaattca cgagaggatg acaactgctc agagtaggca gaatagttat 360
 catgataaga ggaggaaaga tctacaattc gaggttggcg atcatgtatt cttgagagtc 420
 actccatgga ctggggcttg gtgagcattg aaatcccgac nactcacacc tcgctttatt 480
 ggtcctttcc agattctta 499

<210> 11937
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11937

agcttatgct gcanacatct acagtagacc tcctcaatct caacagcaaa atcagccaca 60
 atagaataac tatgacctct ccagcaacaa gtataatccc agatggagga atcatcctaa 120
 ccttatatgg tcgaatcctt cacaacagca acaacaacaa cagccttatt ttcaaaatgc 180
 tggtggccca agcagaccat acgttcctcc accaatccag caacaacaac aacaacaaca 240
 gccccagaaa caacaaatag ttgaggcccc tccacaacct tcccttgaag aacttgtag 300
 gcaaagtact atgcaaaaca ttcagtttca gcaagagacc agagccttca ttcaaagctt 360
 aactaatcag atgggacagt tggctacaca gttaaataca caacagtccc acaattctga 420

<210> 11938
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11938

agcttangct gagttctact taccaccac atactaacga ttagaccaag cgcactatca 60
 aatccttaga ggacctcttg agagcctgtg tcttatagca ggggtgtagt tgggatgggt 120
 tcttaccctt gatagagttt acatataaca atagttttta ctccagtata ggtatggcac 180
 cttacgaggc gttgtatggt agaagatgta cgacacctct atggtgggta gatctaagt 240
 agagcattgc cttatgacct gaggtgggtc accagaacac tgaaaaggtc aagttgatcc 300
 aatagaggat gagagtagcc canagtaggt agaagagcta ccatgtanga atagatagga 360
 ccttgaattt gttgcagggt atcatgtatt cctgacagtc actccatgga ct 412

<210> 11939
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 11939

atgcttagtt aacctggtaa cccagctatc gttgaatcag aaatctatac ctgtcgcaaa 60
 agtctatggt ttatgctcct ctgccgacca ccacacagat cttttccctt ccatgcagca 120
 acctggagca attgagcagc ttgaagctta tgctgcaaac atttacaaca gacctcctca 180
 acctcagcag ctaaataaac cacagcagaa caattatgac ctctccagca acagatacaa 240
 tcccggatgg aggaatcacc ctaatctcat atgggtctagc cctcaacaac aacaacagca 300
 gcctgctcct ttctttcaaa atgatgctgg cctaagcaag ccatacattc ctccaccaat 360
 ccaacaacag caacagcccc agaaacaaca aacag 395

<210> 11940

<211> 460

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11940

tcttcaactt tgtattcaag tttttacatc aattcttttg aatcttacta gtcaaaaatt 60
 aaaataatat taaaatcctc attatttcat taaaaacaac attatagtag aggaattgta 120
 atcattctta agtcaaaaatt gactatcaat taaactcaaa ctctgcagtt atcactcatt 180
 attttcaaac aacttgagct tgtgagaagt tttactgaac ttgatataatt tctatctaca 240
 taggctatgc cttggtgcat ggtcagacca tggtgaaagg actggtggat tntatgcttg 300
 caatcgttat gaagcagcta aacaagaggg agtggttaagg gaattagaaa tactctactt 360
 cattggttca ggttcatgat accataacct actgcccctg catatatattg ataacgatat 420
 ttcttctgac taaatgttgt gcatgtagta tgataaactg 460

<210> 11941

<211> 451

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11941

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 actagtccaa ttactaggtta tcccaccact gatatcatta cctcccaacc ttatctcaac 120
 aagagaatcc aactttgcaa cagaaggact caaagtccca ctaatattaa acttttccaa 180

aagaatcatg tccaccttcc catccccatt gcaccttata cccaaccatg gcccatcaca 240
agggtcattc ccaactccact catcaaccaa aatccgagga taccccaacc ctccaagaaa 300
ctccaacaac accatcacct caaaaccaca cataaccccg gggttggcca cacaaaattc 360
attgtttctca aagctcactt tactcngctg cgaaatccgg atcggaccca cganagtggg 420
gtattcanat caatctatcc aacttcattc a 451

<210> 11942
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11942

gaactacaga gattatattc taattctaaa cccacaaatc aaactaatgt tatgcaggat 60
tacaacgcaa aaatttcata ttttggcttg gcgaaattag ggccttcggg tggagattca 120
cacgtgagta cgaggatcat gggaacatat ggctatgctg ctccagaata cgttgcaaca 180
gggtgaacatg tcattcttctc taaacacata tatatagaga tgggttctga atatgctatt 240
tgaagttgaa actaatcgtt ttatgattca acatgacacg ctttcgtgaa gagtgatgtt 300
tatggatttg gtgtggtgct gctagatatg ctgacatgga tg 342

<210> 11943
<211> 324
<212> DNA
<213> Glycine max

<400> 11943

ctgcagctgg acttctgtgt ttgagaacct cttcttcctc aggtgtaccc aaaccaatc 60
acctggttca agcacgactt tctttctgct tttgttggtc tgcccttgcac agcttgcatt 120
attcttttca atctgaacct tcaactagctc atgcaacttc ttacataact cagcttttagc 180
ctgtgcattc ttatgcttaa acatatcact gttagacata cgcaacaaat caagacgagt 240
caaaggatta aatccatata ctatctcaga tgggtgaacaa ttatatgtgc tgtggacagc 300
ccgattataa acaaactcaa catg 324

<210> 11944
<211> 488

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11944

ggatccttaa gcacctgagg catgcaagct tgtttaccac atgttgagtt ngcttacaat 60
 agagttgttc atagcactac taattgttct ccttttgaag ttggttatgg ttttaacct 120
 ctaactcatc ttgatctttt gtctatgcct aatgtttcta tttctaagca taaagggtcaa 180
 gcaaaagcgg actatgtgaa gaagcttcat gagcgagtca tagatcatat tgagaggaaa 240
 aataaaagct atcttaaaca agccaacaaa tggagaaaga aatttgtctt ctaacccgga 300
 gatttgtgtt gggagcacat gagataagaa aggtcttcgg aacatacgaa atcaaagctt 360
 caaccaaggg gagatggacc attttcagtg cttgaaagaa tcaatgacga tgcttataaa 420
 gttcagctac ccaggagta taatgttagt ccacacttca atgtatctga ctcatctctc 480
 tttgatgc 488

<210> 11945
 <211> 342
 <212> DNA
 <213> Glycine max
 <400> 11945

ttaaattatc tcagtcataa cagcctcacc ccatatatat ttgggaactt tagtagaaaa 60
 gagtaatgcc ctaccacact ctataagggtg tgtattaatt ctctctgcac tcccattttg 120
 gtggcgggtg attaacacaa caactatgat agacaatctc attttcaaga aacaaacttc 180
 ctagggttgc gtcaaaatat tgcacccat tatcactact aactacttgt atattaacac 240
 gaaattgact ttgcaccatc ataaggaaat ctctgacatc tagtttacct acagatcttt 300
 cttataatat gtacacccaa caaagcctag tgtggtcac ta 342

<210> 11946
 <211> 258
 <212> DNA
 <213> Glycine max
 <400> 11946

ctcttacagg tgactttgag cgtttgtgtc cggaggagta cccaacattt cctgattatc 60

tctctcgagt attggccgcc ctccatccac ttatcagaga tggatgaagat ggcgatgacg 120
 tgcattgtgac gtaaaaaata cttogaactt taaatgcaag gtctgacttc attggtacca 180
 acattgacga aaacgccgat ttaaggacca tgactattga gcaactcatg cgttccttac 240
 ttgcctacga tgatgctc 258

<210> 11947
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11947

ggatccttaa tcacctgagg ctgcagctgg attccttttag tagganatct attcttccta 60
 agatagagcc aaaccagtc accgtcatta agaactaact cttttcttcc tctattgcct 120
 ttagttgaat acacctttgt ttggttctct atttggttct taaccctttc atgcaacttc 180
 tttacaaact ctgatctaga ttcccctttt ttatgtataa aagaagtgtc tagtgggagg 240
 ggaatgaggt ctaatggtgc taggggattg aaccataga caacctcaa aggggattgc 300
 ttggtggttc tatgaacccc cctgtttag gaaaattcta catgaggaag atacttatcc 360
 caagacttat 370

<210> 11948
 <211> 465
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11948

agcttggtgt aggtttcata atatgaaatc tgaatatata tgtgcacgga cgcattgtaa 60
 tcgattacac acatatggta atcgattacc atacagcaat gttgtcagac ataactgctt 120
 gtaatcgatt acactattat ggtaatcgat taccagaggt tatttgagcc aaaaaataaa 180
 aacaaaaggc tttctaggag agaagaagtt ttgagttact atcacaatac tttttcatga 240
 gaaatatata taagaatact ttatgaataa ttcttaatac tgtaattcac atatcatatt 300
 atgcacgaac attaaaacat gtaaataatc aattntatca aaacaatcaa cacaagtatg 360
 aagagtattg attntattga aatatatgaa tgaatatattc atgcaaataa gatgaaatca 420

atcaagaaca tctactcatg atttcaaaca atcagaacac aaata

465

<210> 11949

<211> 305

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11949

tatagtctga attctgggtc ctcttaggga ctnatacaat atatccgctg gctgggtcatt 60
agaaccaatg aactcgatga caatctcctt ggacagaagc ttctctcgaa tgatatgaca 120
atcaatctct atagtcttag tcctttcatg agagactggg ttgaggcag tatgaagagc 180
atcctgatta tcacaatgca acttcatttg caactcttca caaaacctca attcttgac 240
aaattgtcaa atccacatga ggtcacacgt taccatagcc atcgatcgat atcaggcttt 300
gcact 305

<210> 11950

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11950

agcttatccn cataagagtg cagaacagct ggtagtcat cattgattat aggaggctaa 60
tccaggtaac caaaaaagat cattttcccc tgccattcat tgatcaaagc cttgagcgct 120
tggcaagtat gtctcattac aattttttta tggtttttct gggtatttac aaattcatat 180
tgctcctgag gatcaagaaa acaccacatt cacctatccc tttggcattt ttgcctatag 240
gaggatgccc tttggcctat gcaacgcctc tggtagcttc caacgggtgta tgcttagcat 300
tttcaatgat tttttagaga gttgcataga tgtgtttatg gatgatttta ctggttatgg 360
atcctctttt gatgcatgtt tggatagtct agatagagtt cttaatagat gcattgaaac 420
taaccctgtg ctgaattttg aaaatgtcac ttcatt 455

<210> 11951

<211> 404

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 11951

atgcctgggtt aacctggtaa cccaactggc catgaatcaa anatctgcac ctatcgccag 60
actctgtggt ttatgtcct ctgccacca ccacactgac ctttgccctt ntatgcaaca 120
atctgaagca attgaacaac ctgaagctta tgctgcaaac atctacaaca gacctcctca 180
acctcagcag caaaatcagc cacaacagaa taattatgac ctctccagca ataggtacaa 240
tcccagatgg aggaatcatc ccaaccttag atgggtcaaat ccttcacaat agcagcagca 300
acaacaacaa ccttattttc aaaatgttgc tggcccaagc agaccatacg ttcctccacc 360
aatccagcaa caacaataac aatagcccca gaaacaacaa acag 404

<210> 11952
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11952

agcttcngct tattagtgc catctccttc aataatttag catatcttgg aatttgcttt 60
attgcatcca gtagaggat gtctacctct acttttctaa atgtttccaa gatctccttc 120
tttggtctct ccattttttt gatggaaatt gctcttggag ggaatggaag agggatatgt 180
tgcttctctt tagattcacc tgcatagaaa ttggtaggta tcttactctt taaatttttg 240
tcatcatctt tttctggagt agagagaagt tgggcagggt catttgcaca tgaggaagat 300
gttgctgggt gaggttcttg aactgcttt cccgacctca atgcagtggc actcacatat 360
ttgggattct ggacagattg agaacgtaat ctgtcacaat tctgggactg ttgttgatta 420
act 423

<210> 11953
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11953

ntggcaacac aaggtgagag gctttatttg gaagtgtgtt ggggaggagc aatctgcttt 60
caccgaaggg agatcgattc tggacaatgt gctcattgca gtagaaatca ttcactatct 120

taaatccaag accagagggg gaaatggata agtggcctga agattgatat atgtaaggcc 180
tatgacctcg ttgactgggg tttctagatg caatccttgt caagttgtga ttttgcaatc 240
aatggaccga gtggatgatg atgtgtgtca aaactgttta gtatgtagtg gtagtgaatc 300
atgacaaggt tgatcctatc tcccctgaga gatctctggc aaggagatcc cttctccctc 360
ttttatatat ataatttttag ctcaaggtct taca 394

<210> 11954
<211> 357
<212> DNA
<213> Glycine max

<400> 11954

agcttttttat ccaactgggt taaggttcaa gaactctagt gatggtaaag ctttctcctt 60
ttcttcttct tttgctttga ttatattccc tgagtatgaa aagttaggag ggcattggtct 120
tgcttttaca attgcatctt ctaagaatct caaggctctt ccaagtcagt atcttggtct 180
tctaaactca actagcacag ggaactcctc caaccacctc tttgctgttg agtttgacac 240
tgcccaagat ttttagtttg gggacattga tgacaaccat gttggaattg acatcaatag 300
cttggtctcc attgcttctg cacctgtatg ttactacacc ggggggtgatg ataattt 357

<210> 11955
<211> 361
<212> DNA
<213> Glycine max

<400> 11955

tccccgtggc ttctttgtga agctttctca agaggcttct ttgagaagct agatccttat 60
ctaccacac ccatctatct actaaattaa cctccttaaa aataattacg gataaaataa 120
cacaacaaat acagtcaagc atcaaacata attattaata tatagatata tatatcaggg 180
tgttacaact ctcccaccct tttagaaatt tcgtccccga aatttacctt actcaaacat 240
ggatgggtga gcttctcgca tttgactttc taattcccat gtggcatctt ctctgttgcc 300
acctccccag atcaccttga ccaacggaat ctctttccct ctaaggtggt ttgttcgcct 360
a 361

<210> 11956
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 11956

tcactctcat tcccttctcc acgctgacca catagtagag tctatttcat caacgaatat 60
 gatagaaggt gcactttcgc gtgccatttg gaaaagattt gagaccagct tttcactttc 120
 tcccatccac tttgaaacca ggtctgacga agaaacactg gtgaagaatt aaaaagttaa 180
 aacatgtagc aaaaaaatgc ccacctaacc taagcactta catttgcgac cttatttttc 240
 aaacaaaatc actgacaagc agaactatta gactcagaaa ttgaaaatgt taaaaataac 300
 aatgttgatg attatgtgaa atcatccata tgcacacaca ttcattccacc aaactcagtg 360
 cgtgtttgga ttaacattga atgattcaaa accacat 397

<210> 11957
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 11957

agcttattca catagtcacg actgtttctt atcttcttta tgcataaaaa cagaaacatt 60
 acgcatacgc aaaagatcac gaagacgcag tgggttaaaa ccataaaciaa cttctgaagg 120
 agaacaatta gtggcgctat gaacagcttt attgtaagca aattcaacat ggggtaaaca 180
 agctacccaa gtttttaagt tctgtctgac aactgttcta agcaaagttc ccaaagggct 240
 attaacaact tccgtttgcc cattacgctg ggggcgac 278

<210> 11958
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 11958

taagctcctt caactgcaca aggctcttaa tatttgaaga gtatccttgt ggaaccttca 60
 cccgacgaag aactggcaa aaactaatct tctctttatt ggacaaagtt tggcaggctg 120
 ggggcaagta aattttcttc ccatcaaacc ttggatgcaa ctgcgctctt atacccatat 180
 cagctaaatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacia acatttttct ccacatgcat aacatcaata caatgtctaa 300
cgtcaagatc a 311

<210> 11959
<211> 339
<212> DNA
<213> Glycine max

<400> 11959

agcttcatgg gagagtcaaa gatcaaattg agaggaaaaa taaaagctat gctaaacaag 60
ccaacaaagg aagaaagaag gttgtcttcg aaccgggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa cagaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgct tgaaagaatc aataacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tatctctttt tgaagcagat ggagaattct 300
atttgaggac aaattcttct taagagggag agaatgatg 339

<210> 11960
<211> 361
<212> DNA
<213> Glycine max

<400> 11960

ttgaatgctc tattcactgg agttgacaag aatatcttca gactaatcaa cacttgcaca 60
gtggccaaag atgcatggga gatcctgaaa accactcatg aaggaacctc caaagttaag 120
atgtccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
gagaggataa cagatgaaaa gctggtgaga aagatcctca aatccttgcc taagagattt 300
gacatgaaag tcaactgcaat ataagaggcg caagacattt gcaacatgag agtggatgaa 360
c 361

<210> 11961
<211> 386
<212> DNA
<213> Glycine max

<400> 11961

agcttttctca cgcacatcag tccacttaca ccacattctt tttgacaagt tcattttaag 60
 gtgcaacaag taaactgagg ttcttcacaa atcttctata aaaagttgct aaaccataaa 120
 aaattcttac cttattagca tttttaggta caagccattc cctaattgcc tttacctttt 180
 cttcatccac acttattcct tttgagctaa tgataaaaact caagaacaaa acatattcaa 240
 ggcaaaaaga acatttttat aagattggca tacaatttat tttctctcaa aacattaaaa 300
 acaatgtgtt cctctaattgt tttgctatag atcaaaatat catcaaaata caccacaaca 360
 aatttcccaa tgaagcacac aaaaca 386

<210> 11962
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 11962
 catgcaagct tactactaga atagattctg ttatagtaag ttcgtctaatt taaaatttta 60
 ttgtatttat attctgataa tcattagcaa tgagtgtctat tactttggta tcttagatta 120
 gtattaacta gaaatagttt tgtgcaataa atttattctt agtgataaac aatattaggt 180
 ttaggaaaat atatctatta tatttgtatt ttgataataa ttaataatgt ctgttattac 240
 ttccctattt taagttagct ttacttagaa aaagatatgt tccatcaatt tatttttc 297

<210> 11963
 <211> 189
 <212> DNA
 <213> Glycine max

<400> 11963
 aatccccaag taggattctg tctcaagaca caccgtaaaa ttcttgattc agagcgtgcc 60
 caaaatgggc taattccaca taacaatatg tatgatataa ccccaaattc ccataagtct 120
 acttcaacac tgtaagaact aaggagcact tcatgagcaa cgctatatgc aactgtcaac 180
 aatgtcaat 189

<210> 11964
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 11964

agcttggcaa caagcaatga acgctttggt ttcttgagtg gctcctttgc agagaattat 60
ctgacagagg agctcaacat tcacagatcc aggcttggtc ctctcaactc accatcataa 120
tatgaaacgg ccttgaaaga tggctctgct gatgggggtg tcaactgcaat aatagatgaa 180
cgtgcataca tggagctgct ccttgcaacc agatgtgaat acggtcttgt tgggcaagag 240
ttcaccataa tgggttgggg ctctgcaaga gcattatcca tctcctcttt ttgaaattca 300
caatcagata tatcacatgc attctcccaa atattaaaga tccggttttc aataaatcta 360
agaccatcct ttcta 375

<210> 11965

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11965

ngcattattt tattttattta ttttgggtgac aaatatattt ttgcttgagg tctgggttatt 60
acgatgaagc aagaaatggt gcccaatctt cacatcaatt tgctcctttg gtacatactg 120
tggctactac ttatttacta atttatgatt taatctttct taataattta cttatttatg 180
acagctggca gagtggatta ataaaggagg gatggtacct gaagagattg cagctgccgc 240
atcagaggaa tgtgaaagaa tgttgattgg cattacccat tgacttgtga aatccaagta 300
cacaaaaaat tcccacaaaa gatatatgaa ataatgttta ag 342

<210> 11966

<211> 331

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11966

ngaagacaag cctgaggaag aaggtgttga tccaactggt tacaacagct tggtaggctc 60
actgagatac ctctgcaata gcagaccaga tatctgttat gccgtatgcg tgctgagtaa 120
attcatgaat aggccaaaga aatctcattt cttggctgtc aaaagggttc taatgtatgt 180
gaagggaact atgcagtatg gtgtgatggt tccaagtaat gttgatggtg ctgagatgaa 240

attgattggg tactcacatg ctgattgggtg tggggacagg acatatatga gaaacacatc 300
 tggctacttg ctcaaatttg tggagctgct g 331

<210> 11967
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 11967

ttcgagaaat tcaaatagtc ataacattta actcggatgt caaatttcgg ggcataatat 60
 atcgcgacac tcgaaattga acaacgaaag ctctcgagaa atttaattgg tcataacttt 120
 taactcggag gtccgattca ggcgcataat ttattaagac gcttgaaatt gaactatgaa 180
 agctcttgag caattcaaat ggtcataact ttccacacga aggtcagatt caggtgcata 240
 atatatcgag acgctcgaaa ttgaacaacg gaagctctcg agaaattcaa atggtcataa 300
 cttttaactc ggatgtccga tttaggcgca tcacatatag agacgcttga aatcgaacaa 360
 cggaagctct cgagaaattc aaat 384

<210> 11968
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 11968

agctgacgcg tgcgcgcttc cttgagaaga tgtgtataga agctagagct tagctacaca 60
 cacctctcta atagctaagc tcacctcctt gagatgagaa gctagaactt aactacacac 120
 cccgtataat agctaagctc acccccatga caaaatacat gaaaatacaa aaaaagtccc 180
 tactacaaag actactcaaa atgactcgaa atacaaggct aaagccctat actactagaa 240
 tggccaaaat acaaggccta aacgaaggaa aaaaaaccta ttctaattatt tacagagata 300
 agcgggctca tacttagccc atgggctcaa aatctaccct aaggctcatg agaaccctag 360
 ggccctccct tggatctctg gcccaatcta cttggag 397

<210> 11969
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 11969

tgtanaaaat tattaatat tataatgttg ttggattgta tnaatgtgtt tagnttaa 60
gattaaanat gttgttttaa agtatgaagg tnattaagnt tgtgaattaa tttaaaaaat 120
ttttgtaata nagtatgaaa agtataattt attaaattat nnnttaaaat tataattgaa 180
ggacaaaant tatagtatnn agtaggtggg tttagtgtta tnnaattaaa tgtagaggt 240
atatatnagt aattttttta ataatgttt 270

<210> 11970
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 11970

agcnttgatt tcctttgttc cggatacctt tcttttgtca tgtgcacca aaccaatct 60
ccgggttcga agacaacctt cttctccct ttgttggtt gtttagcata gcttttattt 120
ttcctctcaa tttgatcttt gactctctca tgaagctgct acacatagcg ggctttgct 180
tgaccttctt tacgctcaaa aaaagaaaca ttaggcatat gcaaaagatc aagaggagtt 240
agtgggttaa aaccatacac aacttcaaaa ggagaacaat tagtgggtgct atgaacagct 300
ctattgtaag caaatc 317

<210> 11971
<211> 400
<212> DNA
<213> Glycine max

<400> 11971

cgaggtgttg gatgtgtcga ggaatacgt cggtgggcat gtgcctatgg agcttgggaa 60
ttgtactgag ttgtctgtgc tgcttttgtc taatctttt agttcagttc cggatgttaa 120
tggtactttg ggggactcog ggggtggagca catggttgct atgaatattg atgagtttaa 180
ttacttagaa ggcccgggtc ctgttgagat tatgaacctt cctaagctga gactgctgtg 240
ggcgcctatg gcgaatctgg aaggcagttt tatgagcagt tggggcaagt gtgatagcta 300
ggagatgcta aatttggctc aaaatgatgt cactggggat tttcctaatac agcttgggtg 360

ctgcaagaat cttcattttc ttgatttgag tgccaataac

400

<210> 11972

<211> 396

<212> DNA

<213> Glycine max

<400> 11972

tctagcttat acgggcagac atcttattaa ctaataaagt tttgatgtaa tccttcatta 60

accctcctgc atttgtataa ttatcttcat ctttgtaaag cacgtcaatc atgcgcacaa 120

ggttgacaac acgcaaaaga aaattcattg gcacttcagt aggattaagg catgcctcat 180

tgatgtcctt ccaagcactc ttaaccatct caagtagttt attaatggca tcttgccctg 240

agggtgttatg ttgcttcata tagctttcaa tgettgtatgc aacgtgtctt ctttcctgct 300

caaaccttgg ggaaaaaaat taatactaaa gaaaccaatg tttaaccctg aaagtaaaag 360

ttggtattac caaaattata aggtaaatta aatgtc 396

<210> 11973

<211> 297

<212> DNA

<213> Glycine max

<400> 11973

agcttgtgcc tcttcacgtc tggaatatga atgtatcata tagatccaaa gacccttatg 60

tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgct ttttacagac 120

ttagttggac atctgttgag tatgtaaaca gcagtgtaga ctgcttcagc ccaaaatgtg 180

ttaggtagtc ccttctcctt aagcatcgat ctagccatct tcataaatgt gctattcttt 240

ctctcggaca ctccattttg ttgacgagaa tatgcaactg taagttggcg ctcaatg 297

<210> 11974

<211> 366

<212> DNA

<213> Glycine max

<400> 11974

tgtaatcttt ggatccttga agatatctta acactttctt tgcaactgac taatgctcta 60

ttcctgaatt actttgatat attccaagca ttccaaccac aaatgccatg tcaggtcttg 120

ttcacacctg ctcatacata atgcttttcta caatggaagc atatggaatg tttctcattt 180
gttccctttg aagcttattt ttaggacatt gattcaaact gaatatatca cctttcaca 240
taggtgtcat gttgggtgaa caatcttcat gcaaaacatc tctagaactt tgatagtatt 300
ggccctttga gagaacccga gaataccttg atatcagttt ctatggatct ctatgccaat 360
gacata 366

<210> 11975
<211> 271
<212> DNA
<213> Glycine max

<400> 11975

agcttttatgc aagtcaattt tcaggaggca tctcggagag gatcttttcc gggcatattt 60
gcacaaaatc tcttgaacta ggaagatggt gtccatcatc tttctgttct taatgaaagc 120
agtttgaggt tccccaataa tagtctcaag cactggggct atgcgggttg ccagaatttt 180
agatacaatc ttgtataaca aattacagca agatatgggt ctaaaatggt taacctggga 240
ggcctgatca tgcttaggaa taagcgcaat a 271

<210> 11976
<211> 269
<212> DNA
<213> Glycine max

<400> 11976

agctttgttc taattcaa atgacaataatg atttgcctcg atgtctgatt gactcccgta 60
atacatcgag acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtcccgat aatacatoga gacgctcgaa attgaattct 180
gaagctctga gctaattcaa acgacaataa ctttttgcct ggatgtctga ttgagtctcg 240
taatctattg agacgctoga aattgaatt 269

<210> 11977
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 11977

agctngtatac aaaatcgaac gacaataact ttctactcgg aagtccgatt gagtcccgtgta 60

atatatctac acgctcgaaa tttaaaaccg aagctttag caaattcgaa cgacaataac 120

ttttactcgg gaagtccgat tgagtcccgat catatatcga gacgctcgaa atttaaaacc 180

gaagctcgta gcaaattcga acaacattac cttttccctc ggaggtccaa tggaggcccg 240

tactttatca gaaccc 256

<210> 11978

<211> 260

<212> DNA

<213> Glycine max

<400> 11978

agcttttatac aaattcaaac aggaataact ttttactcgg atgtccgatt gtgtctcgta 60

gtatatcgag cgctcggtat tgaaaacaga tgctcataga aaattcaaac aacaataaat 120

ttttattcaa atgttcgatt gtgtcccgta atatatcgag atgtcaaaa ttgaaaacga 180

aagctcgtag caaatgcaaa ccagaataac ttttaactcg gatattccgat taagtcccg 240

aatatatcgt gacgctcgaa 260

<210> 11979

<211> 258

<212> DNA

<213> Glycine max

<400> 11979

agcttttctg aaattcaaact ggtctaaact tttcacacgg aggtccgatt cgggcgcata 60

atttatcgag acactcgaaa ttgaacaatg caagctctcg agaaattcaa atggtcataa 120

cttttcaatc ggaggaccga ttcaggcgca taatatatcg agacactcga aattgaacaa 180

cggaagctct cgagaatttc aaatggatcat aacttttcac tcggaggtcc gattcaggcg 240

cataatatat cgagacgc 258

<210> 11980

<211> 242

<212> DNA

<213> Glycine max

<400> 11980

aatccctggg cttcttttgcg accatatggg catgaggtcc atggccatca aaaacaccac 60
agaaaacggc ggccttggtt gaagagaaat tatcccagag aagcatggca tcctgggtga 120
tcccttttgcg accttgctta cagaacaagg aagcaacctg ggacgaacag ttcaagaata 180
atctgccagg aactctgtgg agccgcattt ccatgttata atcagaggca gttctggaac 240
tg 242

<210> 11981

<211> 262

<212> DNA

<213> Glycine max

<400> 11981

agctttgagc caactcaaac gataataact ttttactcgg atgtctgatt gagtcccgta 60
acatatcgag acgctcgaaa ttgaatgttg aacctctgag ccaattcaaa cgacaataac 120
ttttttctcg gatgtctgat tgagtcccg aacatattga gacgctcgaa attgaatgtt 180
gaacctctga gccaatcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
taacatatcg agacgctcga aa 262

<210> 11982

<211> 262

<212> DNA

<213> Glycine max

<400> 11982

agcttgattt gaaaatgaaa ttcaacaata ataaaatatc atacattgca gccaaaaaaa 60
taaaatccca gatttcataa ttaggggttca tgcataattg ggagaaaaga aacctttctt 120
ggagaatcat aattttcata acttatgctc taataccaca tgtaaatttt aaggatttct 180
tagattaaca attgtaggaa accaatagga tcttgaaacc tatgattctc acaaacaatg 240
gataaacaat gcgtattttt ct 262

<210> 11983

<211> 260

<212> DNA

<213> Glycine max

<400> 11983

agctttaaca ttaattaaaa gctcattggt gcaggggcaa gcactttcgg taattttgat 60
gcatgtgact gaacttggtc caatttatat gaaataaaat aaatgcattc tcagggtttg 120
tttgctgaat gctacagggt ttgcaaaact tttttgctgc tttagtctat tctgcaaata 180
ctagttttga ttctctgctg gagtcactac ttgcctgtgc taagccttct ccacagtctg 240
gtggcattgc taaacaagct 260

<210> 11984

<211> 262

<212> DNA

<213> Glycine max

<400> 11984

agcttttgct gcaaacattt ataaaagacc cctcagcag caaaaccaac aacagcggaa 60
taattatgac ctttcaagca acagatataa tctaggttgg agaatcatc caaatctgag 120
atgggcaagt cctccacaac aacaacaacc tgacctctct ttccagaagg ctggtggtcc 180
aagcaagcca tatgttctct ctccaatata gcagcagcaa caacaacagt cacaacaaag 240
acaacaagca actgaggctc ct 262

<210> 11985

<211> 260

<212> DNA

<213> Glycine max

<400> 11985

agctttatct tgttcagggt cagggtgctgc tactggtgga ggcacttgaa tttggttgcc 60
agacctcaag gtgatggcac tcacattttt cagattttgc acagtttggt aaggcaattt 120
gtcagaattt tgggactgag cttgattcat ctgagtagcc atctgtccca tctgatttgt 180
cagactctaa atgaaggctc ttgtctcttg ctgaaattgc atattctgga tggtcatttg 240
cctcactaac ttttctaagg 260

<210> 11986

<211> 333

<212> DNA

<213> Glycine max

<400> 11986

actaggagag tctcttatat aacagtaaca gattcgttgg ttgaatctgt tgtggttgct 60
agagaggatg acaaggagaa actactgagc atgcttctat atgatgatga tgccatgtct 120
aatgatatag aagtgatcac agtattgggc atgggagggt taggaaaaac aacccttggt 180
caatcccttt acaatgtaag tgaagtgcag aaacattttg atttgacagc ttgggcatgg 240
gtgtctgatg atcttgatat tctcaatgga acaaagaaaa ttgttgagtc tctcacattg 300
aacgagtgtc atttacttat cttggcggtt tgc 333

<210> 11987

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11987

taagtttctc tacacacgna acaagctaag tttcttggtt attaaatagc ataagtaagg 60
gaatcccact tatgaaacat ttaccttgga ttagatcctt ggattttgaa gcttcatcac 120
cgttaagggg aaagactctt cctgtggcct tcgaacatcc agtttggtca ttcaggccca 180
caccattccg ctcttcttg ggatataggc aatctctctg aatatgccct ttctgcttac 240
agttgaaaca agtcatgcct ttattagcac aatttgagga gatatgccct ggcttaccac 300
at ttgtaaca tgtgatctga gttgaggaag tagtgggttt gctaccacta acaccacca 360
tagcaacagt cctttgattg ttggggcgaa taccatattg cttagaggga gttgagtacg 420
gtttttccct atg 433

<210> 11988

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11988

tcatcanaat gaaatgaaac tacgtgttca ttatattttt tgaggctcgg caatcttaga 60
aaaatccttg atgaaacacc tgtcaaacc gacatgtcct ataaagtctt tgatgcctct 120
gacattgggtt ggcagatgca atatttcaat gactgacacc ctggcttcac cgacattaat 180

gccatgaaca aagactttgc ggctaatac aataccttta gttactataa agcgggaatc 240
 tttctaactg agctcaaata tttttgcaac acgctgcttc agtacagagt caagattaca 300
 aattcataaa tcacaagaag agccacacac acagacttca tccatgaaca ctctaatact 360
 cttctccacg aga 373

<210> 11989
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11989

tctggctggt cttatataca tccacacaga aagtgtcagt acttcatgtc atgctctcta 60
 tttttcctat caattntctt ttgctctttc aatatatttt ttctaagcaa ttcagcttca 120
 acaatgtcat gagttagtgt gtgacttcat caatgtgcat gggacaggta cttgacgggt 180
 ttcctatatt tcacgggcat taatttcggt ttgacatttg ttgctgctat tctctgtgtg 240
 tgttttgcac ccacaccagc aggacctgga attcctgaga tcaaagctta tcttaatggt 300
 gctgatactc ccaacatggt tgggtgccaca acattgattg tcaaggtaca ttaattattt 360
 gattgtatgc aacactgtct c 381

<210> 11990
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11990

tatgctccta ccataagtgc ctggtggagt cattaatatt cttattngca ccgccatcga 60
 cccgtacctc atcggaacc caaacagtac cccatctgcg gccgtcaact acggcattgt 120
 tatctctggt atggcgcat ccttgggga cgccctcatc tgatatatca cctcaatcgg 180
 caatgtctcc gagaccctat acagaacccc ttccacacct tccactctgt ccatgtcgat 240
 cttcaacctc ttcgacatcc ccccatgccg tctgagagag acgaccacga cgaccacgct 300
 gctttacgtg ctggcactgg cgtgtagggt cacgcggcag gcattgtctg gaggcgacat 360
 cagaggcaac atggggggtg tgggtgacatc agtggggag 398

<210> 11991
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 11991

cccatggaag ctccctaatat ctcccacact ttttggtgtg ggccattctt ggatggcctt 60
 gattctctca ggggtccactt ggacccatt tctaccaact acaaaaccta agaaaactat 120
 attatctaca caaaagggtac acttctctat atttgcataa aggggtgttct tcctaaagac 180
 tgaaagaact tgtctgagat gtcctaagtg aaaatctatg ctctactat aactaaaat 240
 atcatcaaaa taaacaacta caaatctacc tatgaaatcc ctttaagacat gatgcataag 300
 cctcataaag gtgcttggtg cattagtgaa cccaaaaagc atcactagcc attcatacaa 360
 accaactg gtcttgaagc agtcttact catca 395

<210> 11992
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11992

tcgtatgctc agctacagaa tgctcagnct cttatgata ctgatggaat tcaagnngct 60
 gatcaattga tagtctcaga gttcaagacc ttgtctgagc taaagcaatg ttacttcaaa 120
 aaacaatntg atcctttacc agatagagca attcttgcag cttaaattaaa ggagctgcaa 180
 agtgtcaaca aaacctttga gaatacaggg aagaagttag aatcgcaggc agggctcaag 240
 gactctgaga ttatatctt ccaagaaaag ctagaggaag ctaatgtgca caataagtca 300
 attgagaaga gttaaataca agtggatcat tatcagttct tgataatctc catatgtcag 360
 gactaagtcc tagccatttt gtcaccgctc ttgccacac agttaggtcc attcggagct 420
 ntgtgaaaat tgtagtaat gaaatgagat ctgcttggtg ggatattg 468

<210> 11993
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 11993

tctaatacaac tctaattcag tatcagcccg gcttactatc tcatgttaaa tgagagaaac 60
tgaccttcag atagcataga aattgcaatt cttcaggaat gaggaaaagc aaagcatttc 120
ctttcccacc ttcaccacga gctgttctac caaccctgtg gatataattcc tggtagcagt 180
ataaaaaaaaa tgtgacatag tacatcaaag tataagactt ctaagaagca aatgaaaagg 240
gatattgatt gataaataga agaataaaaa gtaccttttg ttcacacagg ggatcatact 300
gcacaatcca gtcctacagc acaaataagg agacaataaa cataaatctt atatatgtaa 360
tgaatttcaa ttaacagaac agaatagtga ataaacacgg ttcattcaag tgttgtaaaa 420
tgtntaccat tagtattagt atagaaaacc aaattaaaca taga 464

<210> 11994

<211> 355

<212> DNA

<213> Glycine max

<400> 11994

tgaagctcct tctttctgtc ttattcccta gtggatgggt cctcccctat cctcttctcc 60
tttgcttcc gctgcatctc catggtgaaa aatcaccatt gaaggacctc attgaagctc 120
aaagatccag cctccataga agctccacaa gcaagcttcc atcacttttc acacagaggt 180
cagattcggg cacataatat gtccagatgc tcggaattga accacggaag ctctcgagta 240
atacaaatgg tcataacatt tcacacaaat gtccgattcg ggcgcataat atgtcgagtt 300
gctctaaatt gaacaacaga agctgtctat aaattcaatt ggtcataaat tttca 355

<210> 11995

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 11995

ggatatgggt cttattcaaa acaggaccac tcttatttct tctctngcgt tggcataatg 60
ttcaattact gtcaaggcct ttggagcatc tataacttgt tcaactatat tttcagcgac 120
atttcgggtg ataagctgca ccaaattctt ctttttctc tgtattcttt cagcacgaaa 180
gtattttttg gttttcaatt gcttggaac tatagtttgt atctctcctt tggatgatt 240

cttccggatc tcatccagag aagccccctt ctcaagctct gctaacaatt gttttcttgc 300
 ttctctcaaat tccatctaata tcaattaagc agtgagtgcc aaaaagtatg gtttagagaaa 360
 atgaaatata gttntgacaa tctatgtcat taat 394

<210> 11996
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11996

tgtagaatca cttgtatcaa cagccatata tntttaattt ctattataag cctatctgct 60
 tcaaagaaaa aatcgactca tagtcagggg cgtttaacaa aatcttcttg gaaagggact 120
 cattttttga aattcaatct tgaaaggtgt tcagtacatg tatggngtga gacagggttg 180
 gaaaatacaa ttgttccaga cccaagcga gttaattacg gctcacaggg gggtagagtt 240
 atgctaaatg tgtcagcaga tggtagccca cgcaatgcaa atataatgtc cactatttcc 300
 gatgaatacc agaagctgaa gtactctgtc tctcttgaaa tatttcaata tagtttgtgt 360
 gtgaacaaag agaaacagtc cacacagatg gaacttgaaa gagcagatct g 411

<210> 11997
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 11997

acaaatntac gtcgttttcc tctcataata ttagagggtt gtatttgatt tcaatattaa 60
 aatattattt ttacataaaa agtcatctat attttaaaag gtcattgtaa aattataata 120
 acctatata atatatatat atgatttatt gtaaaagact ttataataa atatcttggt 180
 atttaaactt taatagattt atatcataag gataagattt ttaaaaaatc tataaattta 240
 taagatttaa aaaaatcata tagaatttta acaaacattc aaaattcaaa tgataaaatt 300
 aaatatctgc tgtgttctat tataaacaac ctataaatg aaatgccatt tttaattctgt 360
 tcatatctaa ttgtcagctt catcatcata ttcagtctat cctctgcta acatttacta 420
 aatctttccg actgtactcc aacattatg 449

<210> 11998
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 11998

aaacataagc acttagacaa tgtttgtag cnggagnngc tgcacatgat gtccaacggt 60
 atgtcaaaga ataagatcgg gctgcacaat gcacaaggct agatgaaatg tcaaataaag 120
 aattgaagct gcatgattca cgatgtctga tacaatgtcc aggacatcct gctcgaaaat 180
 actggaattg ctaaaagcat tgaagctgca ggatccacga tgcgggatac aatgtccagg 240
 acattctgcc cgacaatact ggagttgctg tacaatgcaa gataaaagtc aagttgtgaa 300
 gctgcaggat ccacgatgtc ngatacgatg tcctgacttc cggcccgcata atactggaca 360
 tataattctg tttattttta cagattattg gcagttgc 398

<210> 11999
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 11999

ctatacgaga catcttgccg aacgaagtca agctatccat aacttgccctg tgctccttct 60
 tgcattgccat atgtaacgga gacgatgatc ctgtcatgat cgacgacttg gaaaatgatg 120
 tcgtaactat actgtgccag ttggagatgt attttaccac tgctttcttt gacatcatga 180
 ttcacttgat tgcgcatttg gtgagagaca tcacatgttg aggtcttgat catttgccga 240
 ggatgtaccc gggtagcgga aacatgaaga 270

<210> 12000
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12000

tactaagctt aagagatcat ccnctcgata acatcattgg tgatattcat ttngngaaca 60
 actagacatt ctctgaaaga cttatgcaat aatatggatt ttgtatctat gattgaacct 120

aaaaatatga aagaagccat tatagatgat aactggatca ttgccatgcg agaagaattg 180
 aaccatttg aaggaaacaa tgtgtggaaa ttagtagaca aacctgataa ttatactgtc 240
 ataggaacaa aatgggttct tagaaataaa ttagatgaac atgggtgtaat tattagaaat 300
 aaagccaggt tagtagcacg aggggtataat cgagaa 336

<210> 12001
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 12001

tcttagtctc acctgatgaa atgaatacgt gggtcatcat gcactcctct aatgacaata 60
 gcactcctc tggcactaaa ttgctaagag ttggaagcca tcttctcaat taaatttctg 120
 gcttcagcaa aggtcatgtc tccaagggct ccaccactgg caacatctat catacttctc 180
 tccatgttac tgagtccttc ataaaaatat tggagaagaa gttgctctaa aatctgggtg 240
 tgagggcaac tggcacataa tattttaaat ctctcctagt attcatataa gttctctcca 300
 ctgagttgcc tgatgcctga aatgtctttt ctgatggaag tggctcctaga tgcattggaag 360
 aatttctcca acaacactct cttaatgtca tccagctgg agatggatct ga 412

<210> 12002
 <211> 461
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 12002

atcttcttct tcaactacatc aagaatcacc gggttgagtc ttctctgggg ctgtcttact 60
 ggtttagctc catcctctaa atttattcga tgcatacatg tggatgggct aataccagga 120
 atgtccgcca ggggtccagcc tatagccttc ttatgcttct tgagaactgg caacaacttc 180
 tcctcttgct catcagcaag ggaggcagat ataactactg gaaaactctt gctatcatcc 240
 aagtaagccg tattttaaatt ngatggcaga ggcttcaatt ttggtgtggt tggttggaca 300
 gtggtagaag gagatgggtt ctacgccttc acctcataaa gaaagtcaga ggtatgtgta 360
 cttccctgaa catgggttagt cctatctgac tctatnaaat caatcttgag aggtaanaca 420

ccaccaccag acattgcatc aatatcactc tcagatcact c

461

<210> 12003

<211> 327

<212> DNA

<213> Glycine max

<400> 12003

cacatgaact aacatcacta ctttcatatt tggctatctc tttcttacac ttgaacatca 60
ttggattcca atcgtttcat gactcaagaa gttttgacta ctcccaagtg tcatttttct 120
tgatgatatt aatttctctc tccatggctt gtctccacct tttgtgttcc atagcttctt 180
caaagggtgaa aaactccttg tctacaaaaa gacaaaacac ctcatcatg acttcagttt 240
catcatgtat gtcttgaacg cttcttcatt attcttagtc tttcacttga actcccttcg 300
gaagacgaac ttcctgaatt gaatgac 327

<210> 12004

<211> 355

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12004

aaagtgaat tgaagctttc tatgatgctt caatggatca aactcctcaa aacgtgtgat 60
aaaaccagca acaacaccta tgatatectc ttgagttcca tgtttgacaa gagcttcatt 120
ccacaggtcc ctccaccttg tagaaagaag gctggtttct agcgatgatt catttggtag 180
aaatgaaact atgcgaccta gaatttcgtc tggtaaatta ctaaacagat cttttcccat 240
atggaatgaa tctgttgntt cagtatggtc ttgtttggac taagaataca atgacatcta 300
tatatttgta actntataat tcatgtgaac tatgcangtc acaacaagga gatat 355

<210> 12005

<211> 206

<212> DNA

<213> Glycine max

<400> 12005

gatgatcat gatgagcagc gtttgaagca agacttatag cagatttatt atcacaaaat 60
agcatcacag agggcacatc aacttcaaag tgaataagta acttgtttaa ccacacaatt 120

tcactagtaa cagaagacaa ggcataatat tcaacttcag tgcattgattt tgaaacaggg 180
 gggtgtttct tataacgcca agaaag 206

<210> 12006
 <211> 465
 <212> DNA
 <213> Glycine max
 <400> 12006

tgtaagaaag catgaagatg agagcattgt ggtgggtgatt tccctttatg acagcattca 60
 gttctgaggt tgcacatga tgttttcctt gcacctagat gtttgaatat gcctcataaa 120
 atgtatgtat gttgcatata agtaacaaaa tgccctcgtga aatgtatgta tgttgcatgt 180
 aagtaacaaa tgtctcataa aatgtatcta tgttgcatat atgtaaaaaa atgcctcata 240
 aaatgtatgt atgttgcata taggtaacat atgcctcata aaataccttg ttaatttagg 300
 tagcaaaaata ccttatctat ttatgtagca tacatacctt atcaaattac gtagcaaaaat 360
 acttgaatac acattgaaat gtagattttt acgtagcaaa aatactcgaa tatgcatgaa 420
 atataatttg ggtagcaaaa atacttgaat gtgcataaaa tatat 465

<210> 12007
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12007

agcttcaaca ttcaatatcg agcgtntcga tatattttctg tactgaatca gacatccgag 60
 taaaaagtta ctgtagtttg aagttgctca cagctaaggc attcaagtcc gagcgtctcg 120
 atatactgcy agactcaatc agacatccga gtaaaaagtt attgtcggtt gaatntgctc 180
 agagcttcaa cattcaattt caagcgttcc gatattttac aggactcaat cggatagccg 240
 agcaaaaagt tattgtcatt tgaatttgct cagagcttcg gtattcaatt tcgagcgtct 300
 cgatatatta cgggactcaa tcagacatcc gagtcaaaaag ttattgtcgt ttgaatatga 360
 acagaacttc ggtattccat tttgagcaac tcgatatatt acaggactca atcagacatc 420
 cgagtaacaa gttattggtc gttgatttgc 450

<210> 12008
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12008

cttctggcctt caattcatca gtgggctntc cttctgtgtc cagcatcttg ggatgttccc 60
 agcctttgat gacagctttc cagggtctgc tatccagtga ttgagaaaag gccaccatcc 120
 ttgctttcca gtattcatag ttggtcccat ccagaattgg tggctgttgc actggtccgc 180
 cttctttctc catgttcac cagaatntatc tccctagatc tcactcagtg atttcgagtg 240
 cctgctctga taccaattga aattctgata ctggggacag atgtcgtaca ggatgtcacg 300
 acatcacgct tcagaacatg cagattgtct ttgactgtat gaacagatta aacaagtaaa 360
 taacacaaga gaattgttaa cccagttcgg tgcaacctca cctaca 406

<210> 12009
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12009

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 ttgatatggg agataatgaa gctctaacca agtcttttgt attagaagaa tttaaatatg 120
 cccttttcca aatgcacttg gataaggcgt ccggacctga cagattgagc ccgacccttt 180
 ataaacgggt ttggaatggt tgtggatttg agattttcta ggcttgtgtc tcctggctgc 240
 atgaagggac tatgcctcct cacttgaatg atactaatat tgtcttaatt ccgaagaagg 300
 agaatccagc atctatgaag gacctttgtc ctatatcttt gtgcaacgtg gtgtacaaga 360
 tcatgcta atgtgttagcc aatacgttga agcccggtgt ggataatgta tctccgcaga 420
 gcaatctgtg tttgtggaga acagatctat tattgataat 460

<210> 12010
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 12010

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agcttgtaca tggcaacatc aaatcctttt cttctttctc aacaccaaac agtatggctg 60
cgtgtctgac cttggcctgg caaccatata aagctcactt gccttaccaa tatcacgagc 120
agccgggttac cgtgcaccag aagttacaga caccagaaag gcagcacagc cctcagatgt 180
ttacagctttt ggtgtggtgt tgctagagct tctgactggg aaatccccta tccacacaac 240
tgctggcgat gagattatcc accttgtgag gtgggttcat tcagttgtgc gcgaggagtg 300
gacagctgaa gtgtttgact tatagctgat gagatattct aacatagaag aagagatggt 360
ggaaatgtta cagatagcca tgtcatgtgt ggtaggatg cccgatcaga ggcctaagat 420
gtctgaagta gtgaagatga tagataatgt ganggcagat gatgcagata ctcaactc 480
atct 484
```

<210> 12011
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12011

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agcttaacca aagtctatac tgttttgttt gttatagctc tngactacta tccttgctt 60
attcctagtg atcaaaccat gttcattcaa tttattttta aacactcatt tagtgtaa 120
gatgttcattg tttttaaaat aaggtattaa ttcccatata tcatttcttt taaattggnt 180
caactcctca tgcattggaca tcatccaaaa cttacatttg agtgcctctc ctatagacaa 240
tggttctact tgtgacacaa atgcagtatg ctacacaaat aagttcaaag agtgtctagt 300
agttactcct ttttctatgt cttgcatgat gtttgctata gaaatatcca ttggtgctct 360
ccattcctta agaagataat cgtgctgtga tgagagccat tcttgatgtt tatttctcac 420
aaactcttca ctcttcgatg aactt 445
```

<210> 12012
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12012

agcttggttc ccaatgctnt gttcaagctc tttcaatacc tataaggtaaa tctaggatct 60
ctatcagata ctatgctaga tggcacacca tgtaacctga caacctcact tatatacaag 120
gtggtcaact tctccaagga aaatctgata ttaatgggaa tgaagtgagc agacttagtc 180
aatctgtcaa caataaccca gatagaatct aaacctctag gggttctagg tagccctacc 240
acaaaatcca tggaaatact ttccacttc cactgnggta tctctaaggg ttgtaacttc 300
cctgaagatc tctaattgtc tatcttagcc ttctgacaga ctangcttgc atacacaaac 360
tactaaccct ctctctttca tgtggggcac caaacatcg tctttaaatc ctgataccat 420
cttgagcac caagatggat gctcaaatta ctccaatgtc ctccctctaa gatcatc 477

<210> 12013
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12013

ctcacaagct gctcanagaa gttcataagt tgtaaaagct atttggatgc aagtcaaaga 60
cttgctttta tagactcttc atgtctagtc aagagaacca ttggaagagt tattatcttg 120
agaaaatctt gagaaagcca ttggaagagt tacatctctt gatcttgtat tcataacttg 180
ccgcttggtg tcgattacca taaccatgta atcaattaca caatgcattg tatgacaaga 240
tgtgactctt cacaattgaa ttgaatttc tacgttcaga tacactggta atcgattacc 300
aatatattgt aatc 314

<210> 12014
<211> 450
<212> DNA
<213> Glycine max
<400> 12014

ttcagcttca cccacctatt gagcacaatt aatcatggag aatcttctga agtcataacc 60
aattaaccat tacttaaaca tattaacata agaaataaat gagttaaaca aggatactgc 120
tagaatatat gaaaaattat ccaaaaatat cttgatttta attttaaaat aattcagaat 180
atctaggatt aggactacct gtttgggatt aacttcata ttttctaatt tttcatgatt 240

tgtaatcata cctagcagta gtttaaataa ggattttgta acacatataa cacatcatat 300
 caaatcaatt aaaaagtcaa atttccatgt ataaattttc ttttatttcc ctttcctccc 360
 tctatactta aaaccttata attccgactg atacacagat agagacatac ccattttgat 420
 gtcaaggaag ctgctgtgac attaaaaaat 450

<210> 12015
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12015

tggagtttcc aagcgccaat tcgtcttctt cntnagtcca gtcttcttct ggcttcaatt 60
 catcagtggg ctttccttct gtgtccagca tcttgggatg ttcccagcct ttgatgacag 120
 ctttccaggt tctgctatcc agtgatttga ggaaggccac cattcttget ttccagtatt 180
 catagtgggt tccatcaaga aatgggtggc tgttcactgg tctccttct ttctccatgt 240
 tcatcagaat ttatctccct agatctcact ctgtgatttc gagtgtttgc tctgatacca 300
 attgaaattc tgataccacg ggacagatgt cgtaccggat gtcacgacat cacgcttcag 360
 aacatgcaga ttagatgcgt ccgntgaac agattanaca agtaaataac acaagaagat 420
 tgtaaccca gttcggtgca acctcaccta catctggg 458

<210> 12016
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12016

agcttctagt gggacatctt gacttgctct ccaatctgac attcaccaca gattctgcct 60
 tcttctatct tcagaatgng aatgcctcta acagcacctt tgacaatgat tntcttcatg 120
 cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttgag 180
 gatagacatg tggaggagta gctgggttct tgggggtgtcc ataggtaaca attgtccttt 240
 gatctgctgc ccttcattac aacttcactc ttctcatttg tcaccaagca ttctgacttt 300
 gtgaagtta cattgaatcc ttcacacac agctgactga tgctgatcta agttgcagtc 360

agtccttca ccagccagac tttgttc

387

<210> 12017

<211> 411

<212> DNA

<213> Glycine max

<400> 12017

ccgctactcc catacatata aaaacaactc ttgaatctgg cttctcatcc agccatagta 60
atatacctatc atgatgggct tgatccacat tttggttatg ttgacccttc aaaataatca 120
atggaccaac agcatacatt ggggggtgtgt gaatttgacc atcacatatt gcattaatag 180
catactgctc tcaactctgaa aaagagatat caaagatccc tttggagtcc ttgtacctct 240
gagcaatggt ataattagta gcatatccac cttgtttgtt taaaacagca tcaggcacia 300
cactataatg aactggatca gggagacccg gttccaacca ctgatgatca gaatcatcga 360
atgcatcacc aactctacgt ctctgaaggg ataacatgat attcaaaaac c 411

<210> 12018

<211> 452

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12018

tacggaccta tgaatactaa gcttgtaggg agccacagag aatggtgaat cctaccattc 60
ttgatatggt gaagaaagag gtgatgaagc tactagctgt agggatcatt tagcctatgt 120
tagataaaac ttgggtttca cctatccaag tggtccttaa gaagtcaggc atcattgttg 180
tgggactta ggataatgag ttgatcccg ctagaatgac caatagttgg caagtttgta 240
ttaattatag gagactgaac caagcaactc gcaaggatca ctttcctctc tcattcgtgg 300
atcgggtttt ggagagggtg gtaggtaa atcactatng atttcttgat ggttttatag 360
gttacatgca gattcatatt gcattggagg actagcataa gaccacattc acttgtccat 420
tcgacacatt tgcttacacc aagatgctta tg 452

<210> 12019

<211> 499

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 12019

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gaatgacaaa ttccttgagg taaaggtagt gttgccatgt tttcaaagcc cgtactaagg 120
catacaactc cttatcataa gttgaatagt taagggtagg accacttaac ttttactaa 180
aataagcaat tggatggcct tcttgcatca acacagcccc aatcccaaca tttgaagcat 240
cacactcaat ttcaaaagat ttttgaaagt ttggcaacgc aagtatgggg acattagtta 300
gcttttgctt aagaacattg aaagcttctt cttgtttctc tccccatttg aaaccaacat 360
ttntcttgag cacttcattg agagggtgtg ccaatgtgtc aaaatccttc acaaactgtc 420
tataanaact tgctaagcca tgaaaactcc tcacctcggg cacagactta ngtgtatgcc 480
attcttgaat agccctaac 499

<210> 12020
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12020

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aaagtgggtca taatttgaca cacggaagtc cgattcaggc gcatactata tcgacgactc 120
tctanattga acaacgaaag ctcttgagaa attcaaacgt gccaaacctt gtcacacggt 180
agtccgattc acgcgcataat tatttcgaga ctctccatat gatatacgga agctctcgag 240
aaattcaaat ggtcatatac ttatcaca 268

<210> 12021
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12021

tattatanna ctaattaaaa gactagaagc caacttatct ggtatgtcaa aaactataaa 60
anaaatgtac tgacaattga aataatatat acttggtgta cttaacatcc aatttgaat 120

aatttggtttt aatgatctag caatacatac ttggattaca acaaaaaaaaa atgtacacaa 180
acaatcaaaa tcaaactaat ctaaatatgt aatcagtcgt cctgaataaa gcagacctgt 240
tatttttggtt taatgggtttt ggtatatagg tatctgggag acacagatga agctgttaaa 300
tcaactgatca aggccgtgga tatactacgg attactcatg gcacagatac acctttcatg 360
aaggacctct tgatgaagtt ggaagaagcc cgtgccgaag cgtcttacag attgtcncta 420
aagagtatag aatgtcgaaa ta 442

<210> 12022

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12022

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atattccgaa gactactttt aggacccgtt atggtcacta cgagtatcta gtcatgccct 120
ttgggtgtgac taatgctcca ggtgtgttta tggactacat gaataaagtc tttcaccctt 180
actttgatag ttgtgtggta gtattcatag atgaatatatt ggtatatattca aagactagag 240
aggaacatga agagcacttg aggattatgc tgcttaccct tangaatcga caacttttat 300
gctagttgtc caagtgtgag ttttggttag agaaagttag tttcctaggg catgtgatat 360
ctcaagggggg tatagtngta gaccctctta agatagaaag tgttcttgag tg 412

<210> 12023

<211> 403

<212> DNA

<213> Glycine max

<400> 12023

actagatgcc ttggttaacc tggtaatcca actggtcatg aatcaaaaat ctacacctgt 60
cgccagactc cgtgggttat gtcctcttgc tgaccacctc ataaaccttt gcccttctgt 120
gcagcaattg aacagcctga atcttatgct gcaaataact acaatagacc tcctcaacct 180
cagcagcaaa atcagccaca acagaacaat tatgacttct ccagcaacat gtacaatccc 240
tgggtggagga atcatcccaa ccttagatgg tcgaatcctt cacaacaaca acaacaaca 300
caacaacctt attttcagaa tgttgctggc ccaagcaaac catatgttcc tccaccaatc 360

cagcagcaac aacaacaaca acaacaacag cccagaaat agc

403

<210> 12024

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12024

ggcagcaagc ttgttaatcc atcttctcca agagctcctt gataaagaac tntatgtgaa 60

tcttgagatt taacacatca ataggaagga tgaaactcaa agaaacagtt attatcgcca 120

gtgaatttac taacactaag taaattcttg gtaagggagg gaactagcag taaattttta 180

agggagagag tagtgtttgg aaaatagggg gacctaaaca gatttgagcc tatggaagag 240

attcttgtac ctgtgccatt agccattatg atatgttcat ttctgcagc ttgactgctc 300

tgaaggagaa tatgtggatc attggttgca tgggtggaag cacctgaatc tggaaaccaa 360

gcctgtgaaa tgtagcagt atgtgg 386

<210> 12025

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12025

agcttcatgc ttaagtatgc atggcaattc ttcattattg ttgntcaaga catacaagag 60

agcttgtaac aaatcttcta gacttggagt catcacatgc aatcctcttg aacccttacc 120

acccaccctg tcatcatgcc gagactaacg aaggccatct agtatatcct tcttaatgta 180

ttctgaacaa aattcaatgg cttcttttgc aaagtacctc tcaacaatag atgcttcacg 240

acgatataca ttatttgtat accctgttaa gatctttatg tatcgctcaa ccgggtacat 300

ccatctgaga taaacaggac cacaccatct gatttctctg accaaatgct caatcaagtg 360

aatcactgat gccagagaaa gcagggtgaa tatacatctc caactggcac aatat 415

<210> 12026

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 12026

ccgagcatgc tgcagctatg atatgcccga catctgacat ccgagcgata ggttacgacc 60
atttgaatct gtcgagagct ttcgatgac agctaccagc gtcccgacat attatgcgcc 120
cgagtcggac atccgtgtga atacttatga ccccttgaat gtctggagaa catccgatgt 180
tcagtttcta acgtctctat atgtgatgcg cccgaatcag acatccgtgt gataagttct 240
gaccatatga atgtctcgag agcttccgat ggtaattac gagcgtctat atatattata 300
agcgtgaatc cgacctgagt gtgaaaagtt atgaccattt gagtntctcg agagctttcg 360
tcgttcattt ctagcgtctc tatat 385

<210> 12027
<211> 213
<212> DNA
<213> Glycine max

<400> 12027
agcttatata tatcgaggcg ctcgtaactg acttctgaag ctctcgagaa atacaaatgg 60
tcgtgatctt ctactaggat gtccgattga ggctcattac atatacagac gcgtcgatat 120
gaacaacgga ctctcttgag ataatcaaat ggacatatac ttacgcgctg acgtccgata 180
catgcgcac acattgtcac accctctgaa ttg 213

<210> 12028
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 12028

atcgtaaccg agcctctant tttcatcaac attaattagc aagcagtgag ctttttaata 60
ctctctgtgt tgcataataa tcattattta atattttaac ataaattaga aaataataat 120
tcttttaatg taatattaaa tcatttttta cttatatttc ttatatatta aagataaata 180
ccaaaaacta aaaatgaatt aatatgataa taatgttaat tttataaaat tcgttatttt 240
ctatttttta atggatnttt tttatctgga caaaataact aatacacgtg aagacaaagt 300
gagttcatat tgaatatgct tatgcaaaaa gtgtttacac tataacctac at 352

<210> 12029
 <211> 463
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12029

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 ctgcagattt cacaaataat acatttacta tgcttatttg gtaggtttta attttcattt 120
 ttttaagggg ggtataattt tttattaaaa gtcattgtat ttttttagaa ttntatttta 180
 tgtgagggtca acttaagttt tttattttac acaaagttaa tttattttat tgccatatta 240
 tccaattcat taatttgatt tagcaacaca ctgaatttct ataagtgtta atatttagca 300
 acatattctc tagcacatct tttatatcac acattntatt atagattaaa atttattaaa 360
 nactacaaaa ttaaaagaaa aataactcat taaataagaa gtgagactaa nnaaaaatgt 420
 gattttaata aatttaatca tcttaaatat atattaaatg agt 463

<210> 12030
 <211> 471
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12030

agctntagct ctnntcttat tggataatgc tttttgagga agtctctntt caagtggatc 60
 aaatcatttt taatgatgta tgtgtttcct cttcttttagc ttaataatgt ccagtatttt 120
 gactctaaat aaaagataga gctaattatt attatttatt gttagaggaa attaaatcat 180
 ttttattggt agagcttaat aatgtccagt attagttttt gttatcctcc tatatatgac 240
 aacttttgat ctgactgttg ttaaattaaa agattagatt aaattacaat attatatacg 300
 tgctatattt attgaatcaa ccacttgata catgaaacat agttcttatg tcaggaatca 360
 agatctagaa aaaagaaaac aaatgtacct aanaatatnt ctcattaact ntnntttaat 420
 aaatatngta ttccttaacc acaaatcaat aactactcca tcatagattc t 471

<210> 12031
 <211> 413

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12031

cgcacgtgat tcaactctatt cttagtctga atatttgtaa gtttctgttc gaatatgggt 60
 ttacatgtct tcaactctgca gtacgaatga tgtgagaaat ttgtaggaca ttttacttca 120
 atcatttttc ctttgactat cttctgaatg cagatcgcac ggaatgggtt ttgagagagg 180
 ttgggggtgat actgctgaac ggggtattgga aatgatgcat ctgctattgg atattcttca 240
 ggctcctgat ccttctacac tagagacttt tcttgggaga gtaccaatgc gtttcaatga 300
 tgctatatta tctcctcatg gctactttgg acaagccaat gtcttgngtt cgctgacac 360
 tggtgggcaa gtatctcctt tgtcatatac cgataagact atttgagctg gat 413

<210> 12032
 <211> 276
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12032

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 atttctocac tgtattccgn gtgacaagnt atgaccattt gaatttctcg atagcattcg 120
 ttgtcaattt cgagcgtctc gatataattat gtgccagaat ccgacttccg tgtgacaaga 180
 tatgaccatt ngaatttggt gagagcatcc tgtgctagaa ttcgagtatc tcgatataatt 240
 atgcgcctga atcgacatc cgtgtgacaa gttatg 276

<210> 12033
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 12033

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 gtggtcaaatt tagacgacgt tcaagtaaag gagaacttga catatgaaac attgcctttg 120
 aggatcaagg atagatggaa aaaaacttaa gagggaaaaa gatttcgttg atcaagggtg 180

tctggggagg tgcagcanga gacgaagcaa catgggaact aaagagtcaa atgcgagaaa 240
ccaatccagc cttgtttgag tcaagtaa atttgggatg aaatttgtaa aaggggtggga 300
gagttgtaac gccctgaaat ttcgataact gaaaatagat gcctgatgta tntattgtat 360
tagttaatta cttaa 375

<210> 12034
<211> 466
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12034

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agtggaatgg agaaggaaga aagatgattg gagacgccac ttcaaggaga agataagtgt 120
agaagctcac caccatagga agccatagat aagagcttga aggttgcaga agatgaattg 180
atggagaggg agacaaggag catgaaatct tgtgcctcac aagaggtttg aactttgagg 240
gttaattctc aaatgatcaa agttgaaaaa atgcacacac atgacctcta tttatagcgt 300
aagtgtcaaa caaaattaga ggggaatttg aatttctatt caaatttcac ttgaatntga 360
aatttgaatt gtggagccaa aatttcaacta attatgatta gtgaattnta gctatgggtc 420
aaccactaa tccaagatca agtccaagat tctccactaa gtgtgc 466

<210> 12035
<211> 355
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 12035

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ttaaaagtta ttgtcgtttg atttttctaa gagcttccct tttcaattac gagcgtctcg 120
atatattacg ggacacaatc ggacacccgt gttaaaagtt atggtcggtg gaatttgctc 180
agagcttcta ttttcaatta cgagcgtctc gatatattac ggtactcaat cggacatccg 240
agtaaaaagg ttttgtccgt tgaattctct cagagcttct gttttcaatc acgagcggtc 300
tgatatatta cgggactcaa tcggacatcc gagtaaaagt ttggtcggtg aattt 355

<210> 12036
 <211> 343
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 12036

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 cttaaaaaat ctaatatagt ataatagcct atatcacatc tttgtgaatc gtctattctg 120
 gtacgcatca cctcttctgt caggcatttg tggagagggg ctgatgaaaa gtcccacatc 180
 accaatgggc tcaatttttg ggggtgcaact tatatatttg ttgggcaaca tttcacttaa 240
 tgccaattgg ttttaggatg aaatctagca gnagatatgt ttatagtgat tcattgagta 300
 atcatgccaa attgcatttt attatatctc atgttttctt cac 343

<210> 12037
 <211> 347
 <212> DNA
 <213> Glycine max

 <400> 12037

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 agttattgtc gtttgacttt tctcagagct tttattctga atttcgagcg tctcgatata 120
 ctacgggaca caatcggaca tccgagtaaa aagttattgt cgtttgattt tgctcagagc 180
 ttctgttctg aatttccagg gtgtcgatat accacttgcc accatcggac atccgagtaa 240
 aaagttattg tcgtttgaat ttgtcagag cttttgtttt cacatttgag cgtctcgata 300
 tataacgaga ctcaatcgga catccgagta aaaagttatt atcgttt 347

<210> 12038
 <211> 378
 <212> DNA
 <213> Glycine max

 <400> 12038

 agcttgccct agttaagatt attaatttta ttcattaaat gacagtacat ttgtttcatg 60
 ttttgcgttt ttacaaaaag agctaaaact actctgttgc acttcgtcta catatacctc 120
 aacattacta tgcttaataa aatttggtga tcttagtaaa acataaagca ctttctcaaa 180

tattaagatc aaataacatt cagcgtatcc aagagatgca gccaaaataa ataatgagaa 240
cattaataaaa ctgaattacc tcaacttaaaa tgagaacccc tttcttggat gcttgacacg 300
caacaaattc atagctgaca agattcattc catcccttaa agatgtaaca agtgctacat 360
ctaaattcga tgtgagtc 378

<210> 12039
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<212> DNA
<213> Glycine max
<400> 12039

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tttcatgata tagcatgcag tgtaacagc ttcagcccaa aagtattttg gaagaagagt 180
gtcatttaat aaggctctag caattttttc cttacaacaa ctccattttg atgagggggtt 240
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<210> 12040
<211> 343
<212> DNA
<213> Glycine max
<223> unsure at all n locations
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gcaagagttc gaattgatat gtgatgttag tgactatggt gtaggtgccg tacttgggca 240
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<211> 330
<212> DNA

<213> Glycine max

<400> 12041

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caacattgac gagccaggta gaaaacctga catctatgat aaagtgtgca tgaaggagct 180
tttcgacttc ttctttgaag gctttacgtc gttcttctcc catcttcttt ttcttctgtg 240
atataagttt ggcttggggg aagatagcaa gtttgtggta gattatgccg aggtggattc 300
ccgacatgtc aaatggctgc caagcaaata 330

<210> 12042

<211> 339

<212> DNA

<213> Glycine max

<400> 12042

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aaaagccac caaggaactt gttctagctc ttcccgactt ttctaaaact tttgaaatgt 180
gatgcctctg gagtgggagt tgcagttgta ttgttacaag gtgggcacgc tattgcttat 240
tttagtgcaa aacttcatgg tgccaccctc aactacccca cctatgataa aaagctttat 300
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<210> 12043

<211> 345

<212> DNA

<213> Glycine max

<400> 12043

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ttcatgcaga gttactcgcc atctatcatg gtttgaagat agctagagac aaaggaattg 180
aaagattgat ctgcaaatca tattcgaagc ttgattagga cctaactact ggagaaatca 240
acttgtttca tcaatatctc cctaccatca tgctgatcca tttgttgaag cacatggatt 300

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345

<210> 12044

<211> 395

<212> DNA

<213> Glycine max

<400> 12044

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ggaaattccc gcctggcctg gttgcatgcc tagctcagcg taatggctac catctcaagg 180
gtagttcacg aaagggatta ccttgtgcct atgcagtaca tgcgagcaag gacgcgctag 240
cgacgggtgta gggatcattg gatatagcta ctatcagcat agcatactgt aagaaggatt 300
attttatatc gcaccatatg ataatttttt acagcagagt atagcatcta tccgggccta 360
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<210> 12045

<211> 329

<212> DNA

<213> Glycine max

<400> 12045

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agtgcctctt tcctcaaagg tggatgaagct gaggatgattca acagcaaagtg caagaatgtg 180
gttttttctt cttcattttt ttatcttcaa tttcaccatg cattaggggtt aaaatttaag 240
aaagaattac tgggttagtg tgctgaataa ccctataata tagatagagg aatgaaaaa 300
tacagtttct cctaattccat gcaacaatc 329

<210> 12046

<211> 342

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 12046

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